

UNCLASSIFIED

AD NUMBER
AD834387
NEW LIMITATION CHANGE
TO Approved for public release, distribution unlimited
FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Aug 1959. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505.
AUTHORITY
CIA ltr, 7 Sep 2004

THIS PAGE IS UNCLASSIFIED

AD834387



CONSOLIDATED
TRANSLATION
SURVEY

NO 18-19

~~TOP SECRET~~

LOG FILE COPY

Number 19

24 Aug 1959

123421

Prepared by

Foreign Documents Division
CENTRAL INTELLIGENCE AGENCY
2430 E. St., N. W., Washington 25, D.C.

(141500)

CONSOLIDATED TRANSLATION SURVEY

FOR JULY 1959

TABLE OF CONTENTS

	<u>Page</u>
Notes concerning the Survey	c
Abbreviations used in the Survey	d
Requests for copies	e
USSR	
Economic	1
Political	11
Military	12
Geographic	15
Sociological	16
Eastern Europe	
Economic	18
Political	31
Military	31
Geographic	31
Sociological	32
Northern Europe	
Economic	34
Military	34
Near East/Africa	
Economic	35
Political	35
Military	36
Sociological	36
Far East	
Economic	37
Political	46
Military	54
Geographic	55
Sociological	56

BEST

AVAILABLE

COPY

	<u>Page</u>
Western Europe	
Economic	58
Political	59
Military	59
Latin America	
Economic	61
Political	61
Military	62
Geographic	62
World Wide	
Economic	63
Sociological	63
Scientific	
Aeronautics	64
Astronomy	66
Biology	69
Chemistry	83
Electricity	116
Electronics	118
Engineering	122
Fuels	134
Geophysics	135
Medicine	143
Minerals/Metals	167
Nuclear Physics	173
Physics	174
Space Research	220
Miscellaneous	221
Author Index	222

CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

X This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication. Listings received from cooperating agencies and institutions before the 5th of the month are reported in the current Survey.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, repository identification of the original documents, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (*).

ABBREVIATIONS

ACSI	Assistant Chief of Staff, Intelligence, Dept of Army
AEC	Atomic Energy Commission
AF	Dept of Air Force
AMS	Army Map Service
ARDC	Air Research and Development Command
ATIC	Air Technical Intelligence Center
ATS	Associated Technical Services
bk	book
bul	bulletin
BuShips	Bureau of Ships, Dept of Navy
Co-op Tr Sch	Co-operative Translation Scheme
d np	daily newspaper (s)
doc	document
EDC	Estimated date of completion
encl	enclosure
525th MI Gp	525th Military Intelligence Group, Dept of Army
FBIS	Foreign Broadcast Information Service
handbk	handbook
ID	Intelligence Document
jour	journal
JPRS	Joint Publications Research Service
LC	Library of Congress
LLU	Lending Library Unit
MIT	Massachusetts Institute of Technology
NASA	National Aeronautics Space Administration
NIH	National Institutes of Health
NRL	Naval Research Laboratory, Dept of Navy
NSF	National Science Foundation
OIN	Ordnance Intelligence Number
ONI	Office of Naval Intelligence, Dept of Navy
OTIA	Ordnance Technical Intelligence Agency
per	periodical
publ	publication, published
Res Info Sv (RIS)	Research Information Service
rpt	report
Sci Mus Lib	Science Museum Library
supple	supplement
Tr (Trans)	Translation
USACRAPAC	US Army Command Reconnaissance Activities Pacific Command
USASIA	US Army Signal Intelligence Agency
USDA	US Department of Agriculture
USIS	US Information Service
yrbk	yearbook
* (asterisk)	projects in process

REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organizations.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington, DC.

Addresses of producers, whose listings are included in this issue follow:

ACSI
AMS Lib
Corps of Engineers
ID
USASIA
Engr Res & Devel Lab
525th MI Gp
USACRAPAC, PD
OTIA
Picatinny Arsenal

Department of the Army
Assistant Chief of Staff, Intelligence
Intelligence Documents Branch
Washington 25, DC

Navy:

BUChiss
Naval Research Lab (NRL)
ONI

Department of Navy
Office of Naval Intelligence
Washington 25, DC

AF
AID
ATIC
6002 AISG (6004th AISS)

Department of Air Force
Collection and Dissemination
Assistant Chief of Staff, Intelligence
ATTN: AFCIN 1B3
Washington 25, DC

AEC

Atomic Energy Commission
Order copies from:

US Department of Commerce
Office of Technical Services
Washington 25, DC

Air Research and Development Command
American Meteorol Soc, for Geophysics Res Dir, ASTIA

Armed Services Technical Information Agency
Arlington Hall Station
Arlington 12, Virginia

Department of Commerce

Maritime Administration
Office Services
GAO, 9th and G Sts, NW
Washington, DC

Patent Office
Scientific Library
14th and Constitution Avenue, NW
Washington, DC

Bureau of the Census
Foreign Manpower Research Office
General Federal Office Building 3
Suitland, Maryland

National Bureau of Standards
ATTN: Dr Henry Birnbaum
Room 314 South Building
Washington, DC

Dept of Interior

US Department of Interior
Library
Washington 25, DC

FBIS Tokyo Bureau

FBIS Tokyo Bureau
APO 50, San Francisco, California

JPRS

Joint Publications Research Service

For non-scientific reports:

For scientific-technical reports:

Photoduplication Service
Library of Congress
Washington 25, DC

US Department of Commerce
Office of Technical Services
Washington 25, DC

NASA

National Aeronautics Space Administration
1512 H St, NW
Washington 25, DC

NIH

Department of Health, Education, and Welfare
National Institutes of Health
Librarian
Bethesda 14, Maryland

USDA

Foreign Agricultural Service

US Department of Agriculture
ATTN: Mr Clarence M. Purves, FAS
Room 5506
14th and Independence Avenue, NW
Washington 25, DC

USIA

USIS

US Information Agency
IRI/C
1734 New York Avenue, NW
Washington 25, DC

Rand Corp

Rand Corporation
ATTN: Publications Office
1700 Main Street
Santa Monica, California

Amer Inst of Biol Sci

American Institute of Biological Sciences
2000 P Street, NW
Washington 6, DC

Amer Inst of Phys

American Institute of Physics
335 East 45th St
New York 17, New York

Assoc Tech Serv

Associated Technical Services
PO Box 271
East Orange, New Jersey

Brutcher

Henry Brutcher Technical Translations
PO Box 157
Altadena, California

Mark E. Burgunker

Mark E. Burgunker
541 West 113th St
New York 25, New York

Columbia Tech

Columbia Technical Translations
5 Vermont Avenue
White Plains, New York

Consultants Bureau
Consultants Custom Translations

Consultants Bureau, Inc.
227 West 17th St
New York 11, New York

Morris D. Friedman

Morris D. Friedman, Inc.
Foreign Technical Translations
1383-A Washington St
West Newton 65, Massachusetts

International Arts and Sciences Press

International Arts and Sciences Press
33 West 42d Street
New York 36, New York

MIT, Lincoln Lab

Massachusetts Institute of Technology
Lincoln Laboratory
PO Box 73
Lexington 73, Massachusetts

Pergamon Press

Pergamon Press
122 East 55th St
New York 22, New York

Primary Sources

Primary Sources
11 Bleecker Street
New York 12, New York

Res Info Sv (RIS)

Research Information Service
40 East 23rd St
New York 10, New York

Review of Russian Geology

Review of Russian Geology
Box 6665, College Station
Duke University
Durham, North Carolina

Tech and Comm

Technical and Commercial Translations
2135 Spruce St
Philadelphia 3, Pennsylvania

ACSIL

Admiralty Center for Scientific
Information and Liaison
Queen Anne's Mansions
St James Park
London, SW 1, England

AERE Harwell Lib

The Librarian
AERE, Ministry of Supply
Harwell, Didcot, Berks
England

Aluminium Lab, Ltd

The Aluminium Laboratories, Ltd
Banbury
Oxfordshire, England

ASLIB

Association of Special Libraries and Information Bureau
4 Palace Gate
London W 8, England

British Iron and Steel Industry

British Iron and Steel Translations
4 Grosvenor Gardens
London SW 1, England

DSI (British)
DSI 4 (British)
RAE Farnborough
TIL

The Secretary
Ministry of Supply
Leysdown Road
Mottingham
London SE 9, England

DSIR

Department of Scientific and Industrial Research
Records Section
Charles House
5-11 Regent St
London SW 1, England

Fulmer Res Info, Ltd

Fulmer Research Institute, Ltd
The Librarian
Stoke Poges
Buckinghamshire, England

Infosearch Ltd

Infosearch Ltd
242 Willesden Lane
London, NW 10, England

Sci Mus Lib
Co-op Tr Sch (Scheme)

Science Museum Library
South Kensington
London SW 7, England

SMRE

Ministry of Fuel and Power
The Librarian
Research Laboratory
Portobello St
Sheffield, England

Thornton Res Centre

The Thornton Research Centre
OPD Dept 12, Finsbury Circus
London EC 2, England

Lending Library Unit Translations Bulletin

Her Majesty's Stationery Office
PO Box 569
London SE 1, England

DSIR Lending Lib Unit

Department of Scientific and Industrial Research
Lending Library Unit
20 Chester Terrace
London NW 1, England

P R O J E C T S R E P O R T E D
F O R J U L Y 1 9 5 9

U S S R

Economic

Economic Geography of the USSR, by N. I. Lyalikov.
RUSSIAN, bk, Ekonomicheskaya Geografiya SSSR, Moscow,
1958, pp 3-93, 209-231, 334-341. *USACRAPAC

Economic Problems of the Complex Utilization of
Urals Copper Ores, by A. S. V'yukhina, N. M.
Kokosov, 52 pp.
RUSSIAN, bk, Ekonomicheskiye Voprosy Kompleksnogo
Ispol'zovaniya Ural'skikh Mednykh Rud, Sverdlovsk,
1957, pp 1-49. JPRS L-1772-D

Technology of Acetone-Butyl Production, by I. S.
Logotkin.
RUSSIAN, bk, Pishchepromizdat, 1958, 266 pp,
T/C and pp 6-8, 30-46, 185-190, 250-253, 255.
9040625 USDA

Planning of Production in Communications Enter-
prises, by I. A. Podgorodetskiy, 49 pp.
RUSSIAN, bk, Planirovaniye Produktov v
Predpriyatiyakh Svyazi, 1955, 42 pp. JPRS L-1798-D

Tariff Handbook No 3-R, (DC-2959).
RUSSIAN, bk, Tarifnoye Rukovodstvo, No 3-R,
Moscow, 1957, pp 7-30, 289, 290, 307, 308, 343. *JPRS

Selected Translations on Soviet Agriculture
(Crops, Implements, and Livestock), No 4,
(DC-2700/4).
RUSSIAN, per, Aug 1958-May 1959, 43 pp. *JPRS

Selected Translations on Soviet Construction
and Building Materials Industry, 95 pp.
RUSSIAN, per, np, Jun 1958-Mar 1959. JPRS 1642-N

USSR
Economic (Contd)

Selected Translations on Soviet Construction and Building Materials Industry, (NY-2800/2).
RUSSIAN, per, mp, Apr-Jun 1959.

*JPRS

Selected Translations on Soviet Industrial Development, No 3, (NY-3000/3).
RUSSIAN, per, Dec 1958-May 1959.

*JPRS

Selected Translations on Soviet Machine Building, No 3, (NY-2900/3).
RUSSIAN, per, Jan-May 1959.

*JPRS

Soviet Engineering Alloy Steels Grades and General Technical Requirements.
RUSSIAN, GOST (4543-5).

TIL OT/3321

Asbestos-Cement in Housing Construction, by I. Gvozdarov, 6 pp.
RUSSIAN, per, Arkhitektura SSSR, No 2, 1959, pp 4-6.

JPRS 1760-N

Autobus Bodies Made of Panels, by G. A. Malyshev, 4 pp.
RUSSIAN, per, Avtomobil'naya Prom, No 11, 1958.

ACSI, H-3739

The Development of Socialist Agriculture During the Next Seven Years by P. Doroshenko, 16 pp.
RUSSIAN, per, Ekonomicheskoye Khoz, No 1, 1959, pp 11-21.

JPRS 811-D

The Monetary Form of Payment for Labor on the Ukrainian Collective Farms, by I. Romanenko, N. Nizhniy, 13 pp.
RUSSIAN, per, Ekonomicheskoye Khoz, No 1, 1959, pp 49-57.

JPRS 811-D

The Majestic Program of Building Communism, 3 pp.
RUSSIAN, per, Eksprimental'nyy Khir, Vol IV, No 1, Jan/Feb 1959, pp 3-5.

JPRS L-1736-D

USSR
Economic (Contd)

Experience Gained in Operating Distributing Unit Sets in a City Cable Network, by L. P. Smirnov, 7 pp.

RUSSIAN, per, Elek Stants, No 9, 1958, pp 52-55.

JPRS 760-D

Hydrogenerator Insulation, by V. A. Aleksandrov, M. A. Gladkikh, 4 pp.

RUSSIAN, per, Elek Stants, No 3, 1959, pp 51-53.

JPRS 1798-N

Conference on Problems Concerning the Development of Domestic Transformer Manufacturing, by A. A. Yatsyev, 8 pp.

RUSSIAN, per, Elektrichestvo, No 7, Moscow, 1958, pp 82, 83.

JPRS 760-D

Plastics in Power Engineering, by V. V. Baranovskiy, Ya. L. Shugal, 10 pp.

RUSSIAN, per, Elektrichestvo, No 8, Moscow, 1958, pp 12-16.

JPRS 760-D

New RLND-10 Disconnecting Switches, 3 pp.

RUSSIAN, per, Energetik, No 10, Moscow, 1958, p 38.

JPRS 760-D

Converters and Units for Charging Storage Batteries, 8 pp.

RUSSIAN, per, Energetik, No 10, 1958, pp 39, 40.

JPRS 760-D

Products List of the Elektroapparat Plant, 5 pp.

RUSSIAN, per, Energetik, No 11, 1958, pp 40, 41.

JPRS 760-D

The Control Over Production Expenses and Profitableness of the Enterprises Producing Precast Reinforced Concrete Elements, by A. Golovtsova, 14 pp.

RUSSIAN, per, Finansy SSSR, No 12, 1958, pp 40-48.

JPRS 1760-N

Construction Industry in Moscow on the Eve of the Seven-Year Plan, by A. A. Etmekdzhtyan, 4 pp.

RUSSIAN, per, Gorodskoye Khoz Moskry, No 1, Moscow, 1959, pp 9-11.

JPRS 1642-N

USSR
Economic (Contd)

Gauges and Measuring Devices, by N. I. Zimin,
D. B. Malyy, 11 pp.
RUSSIAN, per, Izmeritel' Tekhnika, No 4, 1959,
pp 12-16.

JPRS 1798-N

Introduce New Building Materials, by Ya.
Linetskiy, 4 pp.
RUSSIAN, in, Izvestiya, 19 Feb 1959, p 2.

JPRS 1760-N

Conference on the Use of Antibiotics in the
Food Industry, by V. V. Alferov.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol,
Vol XXIII, No 5, Sep/Oct 1958, pp 625-628.
9040621

USDA

Conference on Problems of Forest Selection,
by V. I. Nekrasov.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol
XXIII, No 5, Sep/Oct 1958, pp 628-631. 9040613

USDA

Prospects for Using Refractory Compounds in
the Chemical Industry, by G. V. Samsonov,
RUSSIAN, per, Khim Nauka i Prom, Vol III, No 6,
1958, pp 807-811.

*ATIC MCL-265/III

Technical Tasks of the Rubber Industry in the
Seven-Year Plan, by P. I. Zakharchenko, 22 pp.
RUSSIAN, per, Khim Nauka i Prom, No 1, 1959,
pp 6-14.

JPRS 1734-N

Reconstruction of Combination Units at the
Saratov Refinery.
RUSSIAN, per, Khim i Tekh Top i Masel, No 11,
1958, p 23.

*AID

The Establishment of New, and Modern Complete
Technological Flow Processes and the Reduction of
Specific Capital Investments in Oil Refining - A
Highly Important Task in the Seven Year Plan for
the Development of the USSR Oil Industry, by A. P.
Aref'ev, B. B. Krupitskiy, N. I. Sorokin, 10 pp.
RUSSIAN, per, Khim i Tekh Top i Masel, No 4, 1959,
pp 1-6.

JPRS L-1783-D

USSR
Economic (Contd)

Nitrogen Installations, by K. N. Ivanov, L. R. Margolin, V. D. Zubchik, 8 pp.
RUSSIAN, per, Kislород, No 1, 1959,

JPRS 1798-N

New Form of Labor Payment and Income Distribution on Collective Farms, by K. Okhapkin, 5 pp.
RUSSIAN, per, Kolkhoz Proiz, No 3, 1959, pp 10, 11.

JPRS 811-D

The Advantages of Mass Specialization of Production, by A. Yefimov, 17 pp.
RUSSIAN, per, Kommunist, No 15, Oct 58, pp 99-109.

JPRS 1734-N

Toward a New Rise in the Productive Capacities of the Soviet Ukraine, by I. Senin, 14 pp.
RUSSIAN, per, Kommunist Ukrainy, No 1, 1959, pp 12-21.

JPRS 1734-N

Dreams, Plans, Risks, by A. Markin, 9 pp.
RUSSIAN, np, Literaturnaya Gazeta, Moscow, 21 Apr 1959, pp 2, 3.

JPRS L-1795-D

Wool Grease, by E. I. Garlinskaya
RUSSIAN, per, Masloboyno-Zhirov Prom, Vol XXI, No 3, 1956, pp 26-29

Co-op Tr Scheme 365

The Coal of Siberia and the Far East, by M. Zaytsev, 3 pp.
RUSSIAN, per, Master Uglya, No 2, 1959, pp 3, 4.

JPRS 1734-N

To Accelerate the Construction of the Second Section of the Zyryanov Combine, by A. Zaplavnyy, 3 pp.
RUSSIAN, per, Narodnoye Khoz Kazakh, No 1, 1959, pp 38-40.

JPRS L-1785-D

Concerning Questions of the Development of Scientific Research in Nonferrous Metallurgy, by L. Getskin, S. Yofin, 5 pp.
RUSSIAN, per, Narodnoye Khoz Kazakh, No 2, 1959, pp 70-74.

JPRS L-1785-D

USSR
Economic (Contd)

Exchange of Experience, by V. L. Balkevich, S. M. Goldberg.

RUSSIAN, per, Ogneupory, No 4, 1958, pp 172-175.

*525th MI Gp, H-4308

Standardization of Fire Resistives in Various Countries, by M. N. Bluvshstein.

RUSSIAN, per, Ogneupory, No 4, 1958, pp 179-181.

*525th MI Gp, H-4308

Modernization of Equipment - A Most Important Resource in Increasing Productivity, by A. Baykov, I. Cherepin, 5 pp.

RUSSIAN, per, Partynaya Zhizn, No 1, 1959, pp 21-24.

JPRS 1734-N

Prospects for the Development of the Productive Capacities of Eastern Siberia, by V. Nemchinov, 14 pp.

RUSSIAN, per, Plan Khoz, No 11, 1958, pp 9-17.

JPRS 1734-N

Prospects for the Development of Thermal Electric Power in the USSR, by M. Styrikovich, 15 pp.

RUSSIAN, per, Plan Khoz, No 1, 1959, pp 53-64.

JPRS 827-D

Machine-Tool Building in 1959-1965, by A. Vladzhiyevskiy, 9 pp.

RUSSIAN, per, Plan Khoz, No 3, 1959, pp 42-51.

JPRS 1798-N

Cement Plant Construction Needs More Attention, 3 pp.

RUSSIAN, np, Pravda, 25 Apr 1959, p 1.

JPRS 1760-N

Hydrometeorological Instruments, by A. B. Reyfer, 5 pp.

RUSSIAN, per, Priborostroyeniye, No 4, 1959, pp 26-28.

JPRS 1798-N

Medical Instruments, by F. S. Erium, 4 pp.

RUSSIAN, per, Priborostroyeniye, No 4, 1959, pp 30, 31.

JPRS 1798-N

USSR
Economic (Contd)

Development of the Chemical Industry and Science,
by K. F. Vinogradov, 6 pp.

RUSSIAN, per, Priroda, No 2, 1959, pp 31-38.

JPRS 1734-N

What Soviet Metallurgists Saw at US Plants, by
A. Borisov, 12 pp.

RUSSIAN, np, Prom-Ekon Gaz, 24 May 1959, p 4.

JPRS L-1752-D

Transformer Substation, 4 pp.

RUSSIAN, per, Prom Energetika, No 4, 1959,
pp 50, 51.

JPRS 1798-N

Plant News, 4 pp.

RUSSIAN, per, Prom Energetika, No 4, 1959,
pp 51, 52.

JPRS 1798-N

Fodder Mixtures For Different Age Groups of
Hogs, by G. M. Mozgov, Ya. G. Chugunkov, 5 pp.

RUSSIAN, per, Sel'skoye Khoz Severnogo Khoz,
No 11, 1958, pp 55-58.

JPRS 811-D

To Combine the Increase of Milk Production With
the Increase of Butter Fat Content, by V. I.
Skibin, 5 pp.

RUSSIAN, per, Sel'skoye Khoz Severnogo Kavkaza,
No 12, 1958, pp 49-52.

JPRS 811-D

The Minebuilders of the Coal Basins and Their
Obligations to the State, by I. A. Potapov,
3 pp

RUSSIAN, per, Shakhtnoye Stroitel'stvo, No 2,
1959, pp 4, 5.

JPRS 1734-N

The Construction of Coal Enterprises in the
1959-1965 Period, by I. A. Potapov, 3 pp.

RUSSIAN, per, Shakhtnoye Stroitel'stvo, No 3,
1959, pp 4, 5.

JPRS 1734-N

On the Longest Airway (From Leningrad to
Vladivostok in 9 Flying Hours), by G. Smirnov.

RUSSIAN, np, Sovet Aviatsiya, No 121, 26 Mar
1959, p 4.

*ATIC MCL-250/V

USSR

Economic (Contd)

Potential for Increasing Labor Productivity, 4 pp.
RUSSIAN, per, Stroitel'naya Gazeta, 27 Mar 1959,
p 1.

JPRS 1760-N

Expedite the Increase of Precast Concrete Production Capacity, 3 pp.
RUSSIAN, per, Stroitel'naya Gazeta, 8 Apr 1959,
p 1.

JPRS 1760-N

Some Annual Results of Pipeline Construction and Our Tasks, 8 pp.
RUSSIAN, per, Stroitel'stvo Truboprovodov, No 21, 1958, pp 4-7.

JPRS 1734-N

To Further Strengthen the Fodder Base, by K. K. Brentsis, 8 pp.
RUSSIAN, per, Svinovodstvo, No 1, 1959, pp 26-30.

JPRS 811-D

The New Order of Labor Payment for the Workers of the RTS, by K. Rubleva, 10 pp.
RUSSIAN, per, Tekh v Sel'skom Khoz, No 1, 1959, pp 24-27.

JPRS 811-D

Mounted Machines on Various Tractors, by N. Zvolinskiy, 9 pp.
RUSSIAN, per, Tekh v Sel'skom Khoz, No 1, 1959, pp 33-37.

JPRS 811-D

Electrical and Power Equipment, by L. A. Shubenko-Shubin, 21 pp.
RUSSIAN, per, Teploenergetika, No 2, 1959, pp 3-15.

JPRS 1798-N

On Shortcomings in the Planning of Coal Mines, by G. V. Krasnikovskiy, 10 pp.
RUSSIAN, per, Ugol', No 10, 1958, pp 5-8.

JPRS 1734-N

The Tasks of the Amurskiy Economic Region in the Development of the Coal Industry, by I. A. Babokin, 10 pp.
RUSSIAN, per, Ugol', No 12, 1958, pp 4-7.

JPRS 1734-N

USSR
Economic (Contd)

The Fuel Balance of the USSR for 1959-1965 and the Changes in Its Structure, by Ya. N. Gantman, 9 pp.

RUSSIAN, per, Ugol', No 2, 1959, pp 8-11.

JPRS 1734-N

New Machines for the Coal Machinery in Ukraine, by A. I. Bashkov, 9 pp.

RUSSIAN, per, Ugol' Ukrainy, No 3, 1959, pp 2-6.

JPRS 1798-N

Complex Utilization of Mineral Raw Materials -- The Most Important Source of Increasing of Production of Nonferrous Metals, by K. Akhmetov, S. Z. Bayano., V. D. Ponomarev, 11 pp.

RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 11, 1958, pp 10-18.

JPRS L-1785-D

Problems in the Development of the Productive Capacities of Central Kazakhstan, 4 pp.

RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 12, 1958, pp 4-10.

JPRS L-1762-D

Saving Copper and Lead in the Manufacture of Cable Articles, by S. A. Parkhomovich, 13 pp.
RUSSIAN, per, Vest Elektro-Prom, No 8, Moscow, 1958, pp 39-45.

JPRS 760-D

Heading for the 21st Congress of the CPSU, 4 pp.

RUSSIAN, per, Vest Elektro-Prom, No 10, Moscow, 1958, pp 1-3.

JPRS 760-D

New Designs of Electrical Equipment, by B. S. Katsaran, 3 pp.

RUSSIAN, per, Vest Elektro-Prom, No 10, Moscow, 1958, pp 24, 25.

JPRS 760-D

All-Union Conference Concerned With the Quality Improvement of Electrotechnical Products Supplied to Countries With a Tropical Climate, by S. A. Kyuns, 4 pp.

RUSSIAN, per, Vest Elektro-Prom, No 10, Moscow, 1958, pp 76, 77.

JPRS 760-D

USSR

Economic (Contd)

Specialization of Enterprises and Automation of
Production, by N. A. Orlov, 7 pp.

RUSSIAN, per, Vest Mash, No 11, 1958, pp 7-10.

JPRS 1734-N

In the USSR Ministry of Agriculture.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 4,
1959, pp 91-94. 9040597

USDA

New Models of Soviet Motor Vehicles, 5 pp.

POLISH, per, Przegląd Samochodowy, Sep 1958,
pp 47-52.

*ACSI, H-3105

USSR
Political

Preachers of Atomic Armament, by L. N. Velikovich,
(DC-2956).

RUSSIAN, per, Nauka i Zhizn, No 1, Moscow, 1959,
pp 45-49.

*JPRS

A Decade of the World-Wide Movement of Peace

Partisans, by N. Bazanov, (DC-2973).

RUSSIAN, per, V Zashchitu Mira, No 96, May 1959,
pp 7-12.

*JPRS

Kurdistan and the Kurdish Problem, by Attilio
Gaudio, (DC-2973).

RUSSIAN, per, V Zashchitu Mira, No 96, May 1959,
pp 65-71.

*JPRS

The USA and the USSR From the Point of View of
a Possible War, by Oleksander Mel'nychenko, 14 pp.
UKRAINIAN, np, Prometey, No 7, 19 Feb 1959, No 8,
26 Feb 1959, New York, pp 2, 3.

JPRS L-1739-D

USSR
Military

Competitive Marksmanship With the Rifle and Carbine, by A. A. Yurjev.
RUSSIAN, bk, Moscow, 1957.

ACSI, H-3205

Circling Flight on the "YAK-18A" (For Training Purposes), by V. Korotkov.
RUSSIAN, rpt, Na-"YAK-18A" po Krugu.

*ATIC MCL-192/III

Theory and Practice of Parachute Training, by D. T. Zhornik, K. V. Lushnikov, G. B. Pyasetskaya.
RUSSIAN, bk, Teoriya i Praktika Parashyutnoy Podgotovki, Chap 2, 3, 8-11, 13, Moscow, 1958.

*525th MI Gp, H-4357

Concerning Teachers of Higher Military Educational Institutions, by Col (Res) F. Tamonov, 3 pp.
RUSSIAN, np, Krasnaya Zvezda, Moscow, 21 Dec 1958.

JPRS 797-D

Tactical Conference, by Maj Gen A. Kazaryan, 4 pp.
RUSSIAN, np, Krasnaya Zvezda, Moscow, 23 Dec 1958.

JPRS 797-D

Christ Worshipers on a Military Post, by G. Konyushkova, 4 pp.
RUSSIAN, np, Krasnaya Zvezda, Moscow, 28 Dec 1958.

JPRS 797-D

The Requirements of Modern Aerial Combat Are the Basis of Pilot Training, by Maj Gen Avn G. Lobov, 6 pp.
RUSSIAN, np, Krasnaya Zvezda, Moscow, 6 Jan 1959.

JPRS 797-D

For the Sake of Strengthening the Combat Capabilities of Our Army and Navy, by Maj Gen Justice A. Gornyy, 5 pp.
RUSSIAN, np, Krasnaya Zvezda, Moscow, 9 Jan 1959.

JPRS 797-D

The Great Force of Competition, by Lt. Gen G. Filippov, 4 pp.
RUSSIAN, np, Krasnaya Zvezda, Moscow, 22 Jan 1959.

JPRS 797-D

Outstanding Achievements of Soviet Pilots.
RUSSIAN, rp, Krasnaya Zvezda, No 90, 17 Apr 1959, p 1.

*ATIC MCL-223/III

The Blazing Torches Are on the Increase.
RUSSIAN, np, Pravda, 2 Jun 1959, p 2.

*AID

USSR
Military (Contd)

New World Records of Soviet Airman.
RUSSIAN, np, Pravda, No 184, 3 Jul 1959, p 6.

*ATIC MCL-288/III

Always Remember the Individual, by Lt Col
Justice A. Munder, 4 pp.
RUSSIAN, np, Sovetskaya Aviatsiya, Moscow,
13 Dec 1958.

JPRS 797-D

How We Train and Educate Young Pilots, by
Maj Gen A.n V. Plator, 4 pp.
RUSSIAN, np, Sovetskaya Aviatsiya, Moscow,
16 Dec 1958.

JPRS 797-D

Ground Training of Pilots, by Col A. Orlov, 4 pp.
RUSSIAN, np, Sovetskaya Aviatsiya, Moscow,
23 Dec 1958.

JPRS 797-D

Laws Which Strengthen Military Discipline, by
V. Ivanov, 5 pp.
RUSSIAN, np, Sovetskaya Aviatsiya, Moscow,
28 Dec 1958.

JPRS 797-D

In the Interest of Combat Training.
RUSSIAN, np, Sovetskaya Aviatsiya, No 107,
9 May 1959, p 1.

*ATIC MCL-221/III

The Crew Comes Out From the Icing Zone, by
A. Kobtse..
RUSSIAN, np, Sovetskaya Aviatsiya, No 126,
31 May 1959, p 2.

*ATIC MCL-225/III

Air Force Surgeon and Flights.
RUSSIAN, np, Sovetskaya Aviatsiya, 23 Jun 1959,
p 2.

*AID

Fighter-Target Approach, by A. Tarasenkoy.
RUSSIAN, np, Sovetskaya Aviatsiya, No 130,
3 Jul 1959, p 2.

*ATIC MCL-267/III

They Must Not Be Unadapted, by Rear Adm S.
Domnin, 4 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 18 Dec 1958.

JPRS 797-D

USSR
Military (Contd)

- Take From a Ship, Train For a Ship, by Rear Adm A. Batyrev, 4 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 21 Dec 1958. JPRS 797-D
- Our Consultation, 6 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 23 Dec 1958, 13 Jan 1959. JPRS 797-D
- Improve Organization of Readying Aviation Equipment for Flights, by Maj Gen Engr-Tech Serv I. Yaramyshev, 5 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 27 Dec 1958. JPRS 797-D
- Training Fleet Cadres Must Meet New Demands, by N. Badeyev, A. Krysov, 4 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 27 Dec 1958. JPRS 797-D
- Laws Standing Guard Over the Combat Might of the Soviet Armed Forces, by Col Justice R. Lopukhov, 7 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 3 Jan 1959. JPRS 797-D
- All-Union Census, by Col N. Pogodin, 5 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 8 Jan 1959. JPRS 797-D
- Perfect Training of Our Officer Cadres (Letters From Readers Reviewed), 5 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 14 Jan 1959. JPRS 797-D
- More on Urgent Questions of Training Fleet Cadres, 5 pp.
RUSSIAN, np, Sovetskiy Flot, Moscow, 23 Jan 1959. JPRS 797-D
- Cybernetics of Military Ships, by Engr-Capt Ye. Trushin, 5 pp.
RUSSIAN, per, Voyennyye Znaniya, No 4, Moscow, 1958, pp 20, 21. JPRS 797-D
- Practical Exercises for the Norms of the Ready for Anti-Air Defense Complex, by K. Kirpriyan, Ya. Lyandres, 9 pp.
RUSSIAN, per, Voyennyye Znaniya, No 10, Moscow, 1958, pp 32-34. JPRS 797-D
- The Rifle Platoon Attacks, by Col M. Titov, 7 pp.
RUSSIAN, per, Voyennyye Znaniya, No 11, Moscow, 1958, pp 14, 15. JPRS 797-D

USSR
Geographic

Armyanskaya SSR, 32 pp.
RUSSIAN, monograph, Armyanskaya SSSR, Moscow,
1955, pp 59-112.

AF 1255839

Instructions for the Preparation of Topographical
Charts 1:25,000-1:100,000.
RUSSIAN, pamphlet, Ukazaniya po Sostavleniya Topo-
graficheskikh kart Masshtabov 1:25,000-1:100,000 i
Podgotovke k Izdaniyu Topograficheskikh kart
Masshtabov 1:100,000, Moscow, 1957, AMS Call No
GA 932, U 463 Control TR 8-59.

*ACSI, H-4298

Results of the Work of the Scientific-Editorial
Map Compilation Department in 1958.
RUSSIAN, per, Geodeziya i Kartografiya, Apr 1959,
pp 49-53.

USACRAPAC, PD
No 99710

On Queen Maud Land, by M. Ravich.
RUSSIAN, np, Trud, 27 Jun 1959, p 4.

*ATIC MCL-293/V

Reindeer Husbandry, by B. N. Gorodkov, 23 pp.
RUSSIAN, mono, Trudy Arkticheskogo Instituta,
Vol LXXII, 1936, pp 42, 45, 90, 93, 149, 204-206,
209-211, 214, 219, 220, 270-274, 279, 280.

JPRS L-1773-D

USSR
Sociological

The Suppression of Religious Survivals in the USSR,
by S. N. Khudyakov, (DC-2956).

RUSSIAN, pamphlet, O Preodolenii Religioznykh
Perezhitiy v SSSR, Moscow, 1958, pp 27-80.

*JPRS

The Origin and Class Essence of Christianity,
by N. K. Amosov, (DC-2972).

RUSSIAN, pamphlet, Proiskhozhdeniye i Klassovaya
Sushchnost' Khristianstva, Moscow, 1952, pp 41-56.

*JPRS

Are Miracles Possible?, by L. Pinchuk, 6 pp.

RUSSIAN, per, Agitator, No 9, Moscow, May 1959,
pp 51-53.

JPRS 788-D

Training of Scientific Staffs at the Zoological
Institute of the Academy of Sciences USSR, by
A. N. Svetovidov.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXIV,
No 1, Jan/Feb 1959, pp 155-158. 9040610

USCA

Aviation Sportsmen Over Moscow.

RUSSIAN, np, Krasnaya Zvezda, 2 Jun 1959, p 4.

*ATIC MCL-295/V

To Raise the Standard of Educational Work in
Academies.

RUSSIAN, np, Sovetskaya Aviatsiya, No 83, 7 Apr
1957, p 1.

*ATIC MCL-297/III

An Outstanding Scientist, Hero of Socialist Labor,
Academician K. S. Skryabin, by V. S. Ershov.

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV, No 2,
1959, pp 131-134. 9040619

USDA

For the Development and Consolidation of Veterinary
Education by Correspondence, by V. M. Koropov, F. S.
Polukhin.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 2, 1959,
pp 11-13. 9040588

USDA

USSR
Sociological (Contd)

On the Question About the Overcoming of the
Essential Difference Between Town and Countryside,
by A. K. Kuryl'ev, 19 pp.
RUSSIAN, per, Voprosy Filosofii, No 4, 1959,
pp 32-43.

JPRS 793-D

Let Us Strengthen the Scientific-Atheistic
Propaganda, by G. Madzhanov, 8 pp.
UZBEK, np, Kizil Uzbekistan, Tashkent, 25 Jan 1959.

JPRS L-1749-D

EASTERN EUROPE

Economic

- Strengthening of Ties Between City and Farm, by
Petar Dode, (NY-2829).
ALBANIAN, per, Ekonomia Popullore, Vol VI, No 3,
May/June 1959, pp 24-35. *JPRS
- Improvements in Planning Methodology, by Abdul
Backa, (NY-2829).
ALBANIAN, per, Ekonomia Popullore, Vol VI, No 3,
May/June 1959, pp 38-47. *JPRS
- Plan Fulfillment for First Quarter of 1959,
(NY-2829).
ALBANIAN, per, Ekonomia Popullore, Vol VI, No 3,
May/June 1959, pp 105-108. *JPRS
- Brief Geographic and Economic Description of the
New Okrug, (NY-2763).
BULGARIAN, np, Sofia, Ruse, Jan-May 1959. *JPRS
- Rational Use of Brown Coal in East Germany, by
Eng. Miklos Balassa, 32 pp.
BULGARIAN, per, Banyaszati Lapok, Vol XCII,
No 2/3, Budapest, Mar 1959, pp 150-164. JPRS 1728-N
- The Balance of Monetary Income and Expenditures
for the Population in 1958, by Nejc Gucovski,
Nikola Lazarov, (NY-2827).
BULGARIAN, per, Finansi i Kredit, No 4, May 1958,
pp 19-26. *JPRS
- The Economic Evaluation of Lead-Zinc Deposits, by
V. Milev, Y. Bogdanov, A. Georgyev, (NY-2799).
BULGARIAN, per, Minno Delo, Vol XIV, No 2, Sofia,
Mar/Apr 1959, pp 38-43. *JPRS
- Some Notes on the Geology of the Nedelino Ore
Region, by Iv. Petkov, (NY-2799).
BULGARIAN, per, Minno Delo, Vol XIV, No 2, Sofia,
Mar/Apr 1959, pp 80-85. *JPRS

Eastern Europe
Economic (Contd)

Accelerating the Circulation of Turnover Capital
in Industry, by Detelin Markov, 7 pp.
BULGARIAN, per, Partien Zhivot, No 1, Sofia,
1959, pp 54-58.

JPRS 1728-N

Changes in the Structure of Production and
Possibilities for Increasing Bulgarian Exports,
by At. Pepelanov, 18 pp.
BULGARIAN, per, Planovo Stopanstvo, No 5, Nov-
Dec 1958, pp 60-72.

JPRS 1727-N

International Socialist Credit and Its Role in
the Development of Bulgaria, by N. Tsarevski,
17 pp.
BULGARIAN, per, Planovo Stopanstvo, No 6, Nov-
Dec 1958, pp 73-84.

JPRS 1727-N

The Economical Expenditure and Regeneration of
Mineral Lubricating Oils -- A Source of Great
Savings, by M. Gerasimov, D. Rushev, (NY-2739).
BULGARIAN, per, Planovo Stopanstvo, Vol XIV,
No 2, Mar/Apr 1959, pp 82-92.

*JPRS

Turnover in the Herds of Cattle, by Petur Yord
Petrov, (NY-2745).
BULGARIAN, per, Statistika, Vol VI, No 2, Sofia,
1959, pp 46-54.

*JPRS

Statistical Study of the Influence of Composition
or Assortment on the Cost of Industrial Production,
by Albert Avramov, (NY-2745).
BULGARIAN, per, Statistika, Vol VI, No 2, Sofia,
1959, pp 55-68.

*JPRS

Reserves for Fulfilling the Construction Plan
Ahead Schedule, by Radenko Vidinski, (NY-2824).
BULGARIAN, per, Stroitelstvo, No 1, 1959,
pp 1-4.

*JPRS

Regulation of Wages in Machine Building, by
Simeon Radev, (NY-2744).
BULGARIAN, per, Tezhka Promishlenost, Vol VIII,
No 4, Sofia, 1959, pp 4-8.

*JPRS

Eastern Europe
Economic (Contd)

Economic Accounting in the Railroad Administrations,
by Kh. Karadakov, (NY-2826).

BULGARIAN, per, Transportno Delo, No 2, Mar 1959,
pp 5-10.

*JPRS

Speeding the Electrification of the Bulgarian
Rail Lines, (NY-2814).

BULGARIAN, per, Transportno Delo, No 4, May 1959,
pp 1-6.

*JPRS

Foreign Exchange Problems of Bulgaria With
Capitalist Countries, by Ivan Ivanov, 16 pp.

BULGARIAN, per, Vunshna Turgoviya, No 12, Sofia,
1958, pp 4-10.

JPRS 1728-N

Industrial Development of East European Countries,
by Egon Stajner, 22 pp.

CROATIAN, per, Nasa Stvarnost, Vol XII, No 3,
1959, pp 294-309.

JPRS L-1761-D

Tasks and Structure of the Financial Unit in
the New Organization of Industry in Czechoslovakia,
by Josef Zahradnik, 4 pp.

CZECH, per, Finance a Uver, No 5, 1958, pp 301,
302.

JPRS 1776-N

New Basic Directives on Financial Management in
Czechoslovakia, by Stanislav Sourek, 10 pp.

CZECH, per, Finance a Uver, No 5, 1958, pp 315-
320.

JPRS 1776-N

January 1959 National Working Conference of
Finance Workers, 13 pp.

CZECH, per, Finance a Uver, No 2, 1959, pp 57-64.

JPRS 1755-N

Economic Questions on the State Budget for
1959, by Dr Miroslav Koudelka, 16 pp.

CZECH, per, Finance a Uver, No 3, 1959, pp 126-
134.

JPRS 1755-N

Eastern Europe
Economic (Contd)

Experiences in Giving Credit to Enterprises With Long-Term Production Cycles, by Dr Vladimir Jindra, 6 pp.

CZECH, per, Finance a Uver, No 3, 1959, pp 163-165.

JPRS 1755-N

The Planning of Transport in Iron and Steel Works, by J. Polasek, E. Zelinka.

CZECH, per, Hutnicke Listy, Jul 1958, pp 626-631.

British Iron and Steel Ind 1243

The Fine Mechanics and Optics Industry in the German Democratic Republic, by Harry Hahnewald, 14 pp.

CZECH, per, Jemna Mechanika a Optika, Vol IV, No 2, Prague, 1959, pp 41-47.

JPRS 1762-N

Aviation in Rumania.

CZECH, per, Kridla Vlasti, Feb 1959, p 7.

ACSI, H-4114

New Diesel Engines on Czech Railroads; New Trends in the Railroad Traffic System.

CZECH, per, Nova Technika, No 12, 1958, pp 539-550.

*ACSI, H-4113

On the Results of the National Meeting on Investment Construction, by Valtr Komarek, 30 pp.

CZECH, per, Planovane Hospodarstvi, Vol XII, No 1, Prague, 1959, pp 6-25.

JPRS 1709-N

Measurement of Work Productivity in the Ministry of Fuels and Power, by Jindrich Vseticka, 10 pp.

CZECH, per, Planovane Hospodarstvi, Vol XII, No 1, Prague, 1959, pp 69-73.

JPRS 1709-N

Consumption of Textile Products, by Jaromir Kresta, (NY-2743).

CZECH, per, Planovane Hospodarstvi, No 3, Prague, 1959, pp 183-196.

*JPRS

Eastern Europe
Economic (Contd)

Expansion of Production of Construction Materials,
by Engr Josef Churacek, Josef Krofta, (NY-2743).
CZECH, per, Planovane Hospodarstvi, No 3, Prague,
1959, pp 197-205.

*JPRS

Future Development of Czechoslovak Automobile
Transportation -- Excerpts From Speech of Dr F.
Vlasak, 10 pp.
CZECH, per, Silnicni Doprava, No 2, Prague, 1959,
pp 1-3.

JPRS 1765-N

The Classification of Basic Means, by Engr J.
Kazimour, (NY-2742).
CZECH, per, Statisticky Obzor, No 3, Prague, 1959,
pp 104-110.

*JPRS

Current Production of Plastics in Czechoslovakia
and Prospects in Future to 1965, by Engr Jaroslav
Hnidek, 11 pp.
CZECH, per, Technicka Praca, Vol XI, No 2, 1959,
pp 112-116.

JPRS 1755-N

Post Office and Postal Route Changes, (NY-2735).
CZECH, SLOVAK, np, Vestnik Spoju, No 14-18,
Vestnik Spojov, No 12-13, 1959.

*JPRS

Telegraph Service Changes, (NY-2735).
CZECH, SLOVAK, np, Vestnik Spoju, No 14-17,
Vestnik Spojov, No 12, 1959.

*JPRS

Directives of the Ministry of Communications on
Management and Finance, by Dr. Neuman, (NY-2735).
CZECH, np, Vestnik Spoju, No 15, 9 Apr 1959,
pp 74-76.

*JPRS

Directive for Preparing the Organizational
Manuals of Kraj Administrations for Communications,
(NY-2735).
CZECH, np, Vestnik Spoju, No 18, 30 Apr 1959,
pp 98-103.

*JPRS

Eastern Europe
Economic (Contd)

Growth of Intensity of Production and Work Productivity in Czechoslovak Agriculture and in Some Outstanding JZDs, by Frantisek Kubat, 7 pp. CZECH, per, Za Socialistické Zemedelství, Vol IX, No 1, Prague, 1959, pp 12-16.

JPRS 1755-N

Economic Strengthening of JZDs, by Karel Svoboda, 14 pp. CZECH, per, Za Socialistické Zemedelství, Vol X, No 1, Prague, 1959, pp 17-25.

JPRS 1755-N

Evaluation of Agricultural Investments, by Dr Bohuslav Sedivy, 10 pp. CZECH, per, Za Socialistické Zemedelství, Vol IX, No 1, Prague, 1959, pp 29-35.

JPRS 1755-N

Investment Construction in Agriculture, by Dr Bohuslav Sedivy, 9 pp. CZECH, per, Za Socialistické Zemedelství, Vol IX, No 1, Prague, 1959, pp 36-41.

JPRS 1755-N

Analysis of Czechoslovak State Farms, by Karel Cizek, 11 pp. CZECH, per, Za Socialistické Zemedelství, Vol IX, No 1, Prague, 1959, pp 47-54.

JPRS 1755-N

The Foreign Trade Plan and Its Fulfillment in 1958, by Karel Kohout, 9 pp. CZECH, per, Zahranicni Obchod, No 4, Prague, 1959, pp 2-8.

JPRS 1728-N

The Development and Production of Agricultural Machinery, by Wolff, Dewitz, Hoermann, Pape, Thieme, M. Koerner, 51 pp. GERMAN, per, Deutsche Agrartechnik, Vol IX, No 1, 1959, pp 4-19.

JPRS 1727-N

Sailplaning in Syria, by K. Gotze. GERMAN, per, Deutsche Flugtechnik, No 3, 1959, pp 87-92.

*ATIC MCL-284/V

Eastern Europe
Economic (Contd)

Highlights of II Scientific-Technical Conference on Mechanization of Socialist Large Agricultural Enterprises, by H. Koch, 14 pp.

GERMAN, per, Die Deutsche Landwirtschaft, Vol X, No 2, 1959, pp 55-60.

JPRS 1768-N

Current Problems in the Use of Agricultural Machinery, by Prof Dr S. Rosegger, 19 pp.

GERMAN, per, Die Deutsche Landwirtschaft, Vol X, No 3, 1959, pp 164-169.

JPRS 1709-N

Significance and Content of the Law Concerning Agricultural Producer Cooperatives, by Dr. W. Schmidt, (NY-2732).

GERMAN, per, Die Deutsche Landwirtschaft, Vol X, No 5, 1959, pp 209-213.

*JPRS

Railroad Mail Shipment in East Germany, by Gerhard Reber, (NY-2815).

GERMAN, RUSSIAN, per, Die Deutsche Post, No 6, 1959, pp 162-196.

*JPRS

Air Mail Shipment, by Hans-Joachim Reich, (NY-2815).

GERMAN, RUSSIAN, per, Die Deutsche Post, No 6, 1959, pp 203-207.

*JPRS

East German Telephone Rates and Charges and Regulations on TELEX, (NY-2843).

GERMAN, per, Gesetzblatt der Deutschen Demokratischen Republik, Part I, No 28, Berlin, May 1959, pp 430-456.

*JPRS

Duroplastics in the Wood Industry, by Robert Trautvetter.

GERMAN, per, Holzindustrie, No 3, 1959, pp 77-79.

*ACSI, H-4111

The Determination of Prices for Iron Ore, by G. Winkler, 13 pp.

GERMAN, per, Neue Huette, Vol IV, No 3, 1959, pp 148-151.

JPRS 1768-N

Eastern Europe
Economic (Contd)

Important Innovations in the Signal System of the East German Railroads, by Friedrich Wenzel, 19 pp. GERMAN, per, Der Operative Dienst, No 12, Berlin, 1958, pp 268-270; No 1, 1959, pp 9-12.

JPRS 1728-N

The Development and Efficiency of Diesel Motors, by Hans Rost, (NY-2734). GERMAN, per, Schiffbautechnik, Vol IX, No 4, Berlin, 1959, pp 184-195.

*JPRS

Freight Traffic on the Austrian Danube Surpassed the Five Million Mark, 3 pp. GERMAN, per, Verkehr, No 10, 7 Mar 1959, pp 342, 343.

JPRS L-1792-D

Impressions About Soviet Inland Navigation Based on Own Trip Experiences, by Josef Otto Slezak, 5 pp. GERMAN, per, Verkehr, No 12, 21 Mar 1959, pp 403-406.

JPRS L-1792-D

Agriculture and the General Economy of East Germany, by Rudi Fulde, 21 pp. GERMAN, per, Vierteljahreshefte zur Statistik, Vol CXI, No 1, Berlin, 1959, pp 3-8.

JPRS 1768-N

Hungarian Statistical Yearbook 1957: VI. Industry; VII. Construction Industry; XIII. Foreign Trade, (DC-2953). HUNGARIAN, bk, Statistikai Evkonyv 1957, Budapest, 1959, pp 72-126, 128-136, 229-251.

*JPRS

Ratio of Gas to Electric Power Production and Its Significance in the Power Economy of Hungary, by Erno Haldegger, 27 pp. HUNGARIAN, per, Energia es Atomtechnika, Vol XII, No 1, 1959, pp 29-40.

JPRS 1762-N

Hungary's Long-Range Energy Situation, by Laszlo Forgo, (NY-2764). HUNGARIAN, per, Energia es Atomtechnika, Vol XII, No 2/3 Budapest, 1959, pp 80-89.

*JPRS

Eastern Europe
Economic (Cont'd)

Current Situation of the Hungarian Synthetic Materials Industry, by Hugo Macskasy, (NY-2768).
HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XIV, No 2/3, Budapest, 1959, pp 69-71.

*JPRS

The Condition of Railway Passenger Transportation, by Jozsef Matukovics, 19 pp.
HUNGARIAN, per, Statistikai Szemle, No 1, 1959, pp 37-50.

JPRS 1709-N

Electrification and Dieselization of the Czechoslovak Railways, by Jeno Vrba, 4 pp.
HUNGARIAN, per, Vasut, No 3, 1959.

ACSI, H-3768

Railroad Signals, by Eugeniusz Horniak; Klemens Wadolowski, 29 pp.
POLISH, bk, Sygnaly Kolejowe, 1953, pp 9-12, 18-36, 54-69, 128-142.

ACSI, H-3829

Goals of the Chemical Synthesis Industry, 8 pp.
POLISH, per, Chemik, Vol XII, No 2/134, 1959, pp 67-69.

JPRS 1768-N

Problems of Increased Agricultural Production in Light of Needs of Population in 1975, by Wladyslaw Misiuna, (NY-2833).
POLISH, per, Ekonomista, No 1, Feb 1959, pp 4-32.

*JPRS

New Electric Power Rate for Industry, by Bronislaw Lis, (NY-2821).
POLISH, per, Energetyka, Vol XIII, No 5, 1959, pp 136-139.

*JPRS

Investment Problems in Economic Development Plans for 1959, 1965, by Kazimierz Secomski, 16 pp.
POLISH, per, Gospodarka Planowa, No 1/2, Warsaw, 1959, pp 9-14.

JPRS 1762-N

The More Important Tasks of Water Management in 1958-1965, by Zygmunt Mikucki, 18 pp.
POLISH, per, Gospodarka Planowa, No 1/2, Warsaw, 1959, pp 53-59.

JPRS 1776-N

Eastern Europe
Economic (Contd)

Poland's Division Into Economic Regions, by
Stanislaw Berezowski, 13 pp.
POLISH, per, Gospodarka Planowa, No 3, Warsaw,
1959, pp 57-63.

JPRS 1776-N

Development of Deep-Sea Fishing Industry in
Long-Range Plans, by Marjan Blazejczyk, 9 pp.
POLISH, per, Gospodarka Rybna, Vol XI, No 2,
Warsaw, 21 Apr 1959, pp 1-4.

JPRS 1776-N

Planning and Investment for Hydromelioration
Work in 1959-1965, by Ryszard Pakula, 12 pp.
POLISH, per, Gospodarka Wodna, Vol XIX, No 2,
1959, pp 56-59.

JPRS 1709-N

New Methods of Closing Contracts for Construc-
tion and Assembly Works, by Adam Wysokinski,
8 pp.
POLISH, per, Inwestycje i Budownictwo, Warsaw,
Nov 1958, pp 23-26.

JPRS 1709-N

Advantages and Problems in Changing to Electric
or Diesel Traction in Poland, (NY-2813).
POLISH, per, Inwestycje i Budownictwo, No 4,
Warsaw, 1959, pp 14-18.

*JPRS

Production of New Agricultural Machines for
1959, by Bogdan Andrzejewski, Antoni Kolakowski,
7 pp.
POLISH, per, Mechanizacja Rolnictwa, Vol VI,
No 1, Warsaw, 1959, pp 10, 11.

JPRS 1776-N

Tasks of the Petroleum Industry in Accordance
With Resolutions of the XII Plenum of the Party,
by Antoni Cwierz, 18 pp.
POLISH, per, Nafta, Vol XV, No 2, 1959, pp 29-35.

JPRS 1762-N

Economic Effect of Mechanized Harvest of Forage,
by Wladyslaw Chrzanowski, (NY-2766).
POLISH, per, Nowe Rolnictwo, Vol VIII, No 10,
15 May 1959, pp 361-363.

*JPRS

Eastern Europe
Economic (Contd)

New Tasks of the Machine Tractor Stations in Poland, by M. Ponikowski, (NY-2767).
POLISH, per, Nowe Rolnictwo, Vol VIII, No 11, 1 Jun 1959, pp 406-409.

*JPRS

Technical Progress in Construction in the Five-Year Plan 1961-1965, by Boleslaw Kierski, (NY-2746).
POLISH, per, Przegląd Budowlany, No 4, 1959, pp 161-165.

*JPRS

Industrial Consumption of Electric Power to Produce Heat, by Docent T. Skrzypek, (NY-2835).
POLISH, per, Przegląd Elektrotechniczny, Vol XXXV, No 5, 1959, pp 205-207.

*JPRS

The Polish Electrical Industry at the XXVIII International Poznan Fair, by Janusz Kancierz, (NY-2835).
POLISH, per, Przegląd Elektrotechniczny, Vol XXXV, No 5, 1959, pp 223-231.

*JPRS

Present Status and Anticipated Development of Railroad Communications in Poland, by Jerzy Godwod, 12 pp.
POLISH, per, Przegląd Kolejowy, Warsaw, Mar 1959, pp 93-98.

JPRS 1727-N

Specialization and Technical Development of the Rolling Stock Repair Shops Up to 1965, by Jan Tatarowski, 11 pp.
POLISH, per, Przegląd Kolejowy-Mechaniczny, No 2, Warsaw, 1959, pp 41-44.

JPRS 1728-N

Traction on the Polish State Railroads, by Wacław Młodecki, (NY-2811).
POLISH, per, Przegląd Kolejowy-Mechaniczny, No 4, Warsaw, 1959, pp 101-107.

*JPRS

Eastern Europe
Economic (Contd)

1959-1960 Railroad Freight Schedule (And Data on Freight Traffic), by Engr Jan Bac, (NY-2832).
POLISH, per, Przegląd Kolejowy-Przewozowy, Vol XI, No 5, 1959, pp 113-116.

*JPRS

Motor Vehicles Industry in the New Five-Year Plan, by D. Jung, 6 pp.
POLISH, per, Przegląd Techniczny, Vol LXXX, No 5, Warsaw, 4 Feb 1959, pp 16, 17.

JPRS 1762-N

Goals of the Polish Chemical Industry in 1959-1965, by Antoni Radlinski, 35 pp.
POLISH, per, Przemysł Chemiczny, Vol XVIII, No 1, Warsaw, 1959, pp 1-9.

JPRS 1755-N

Economic Results of the Experimental Organization of the Oswiecim Chemical Plants in 1957 and 1958, by Andrzej Donimirski, (NY-2765).
POLISH, per, Przemysł Chemiczny, Vol XXXVIII, No 4, Warsaw, 1959, pp 193-197.

*JPRS

The IL-18 Airliners for Domestic Services.
POLISH, per, Skrzydłata Polska, No 18, 1959, p 3.

*AID

Problems of the Long-Range Development of the Gdansk-Gdynia Port Group, by J. Czyz, Z. Pelczynski, B. Rejewski, (NY-2740).
POLISH, per, Tech i Gospodarka Morska, No 12, 1958, pp 353-356.

*JPRS

Letters to the Editor Concerning Balance of Payments for Maritime Services, by J. T. Holowinski, J. Wesolowski, (NY-2740).
POLISH, per, Tech i Gospodarka Morska, No 12, 1958, pp 360-361.

*JPRS

Seeking Solutions (to Problems of Consumer Goods Supply), by Grzegorz Pisarski, 6 pp.
POLISH, np, Zycie Gospodarcze, No 17, Warsaw, 26 Apr 1959, p 3.

JPRS L-848-N

Eastern Europe
Economic (Contd)

Selections From Economic Geography of the Rumanian People's Republic, by Mihail Haseganu, 25 pp.

RUMANIAN, bk, Geografia Economica a RPR, Bucharest, 1957, pp 15-17, 28-30, 42-44, 158, 159, 186-200, 256, 257.

JPRS 787-D

Foreign Economic Relations of the Rumanian People's Republic, by Mihail Haseganu, 19 pp.

RUMANIAN, bk, Geografia Economica a RPR, Bucharest, 1957, pp 296-312.

JPRS 802-D

Reorganization of "Carpati" National Tourist Office, (DC-2961).

RUMANIAN, per, Colectia de Legi, Decrete, Hotariri si Dispozitii, Bucharest, 1 Jan-28 Feb 1959, pp 164-167.

*JPRS

Problems of Reducing the Cost Price of Construction, by Mihail Suder, 19 pp.

RUMANIAN, per, Probleme Economice, Vol I, No 1, 1959, pp 41-55.

JPRS 1727-N

Does Slovakia Have Conditions for Implementing the System of Shuttle Transport, by Engr Vladislav Mostenan, 11 pp.

SLOVAK, per, Doprava, No 2, Prague, 1959, pp 57-61.

JPRS 1727-N

1958 Plan Completion and 1959 Tasks in Slovak Communications, (NY-2735).

SLOVAK, np, Vestnik Spojov, No 13, 26 Mar 1959, pp 73-75.

*JPRS

Eastern Europe
Political

Europe Is Going to Gain Its Independence With
Eurafrigaz.

FRENCH, per, Forces Francaises, No 41, 15 May 1959,
pp 26-31.

*ACSI, H-4315

"Kammer der Technik" - An Organization Dedicated to
the Advancement of Technical and Economic Way to
Democracy and Socialism.

GERMAN, per, Deutsche Flugtechnik, No 3, 1959, p 86.

*ATIC MCL-284/V

Military

The 7.62 mm Degtyarev Light Machine Gun, 95 pp.
BULGARIAN, bk, 7.62-mm Ieka Kartechnitsa Degtyar'ov
(RPD) Rukovodstvo za Sluzhbata, 1956.

ACSI, H-3628

Army of Modern Motorization, 3 pp.
POLISH, per, Motor, 17 Aug 1958, p 3.

ACSI, H-2484

Position of the Quartermaster in the Army, by
Capt P. Trupucko, 8 pp.
POLISH, per, Zolnierz Wolnosci, May 1958, p 2.

ACSI, H-2488

Geographic

The Underground Waters of Bulgaria, by Khristo
Antonov, (NY-2825).
CZECH, per, Casopis pro Mineralogii a Geologii, No 1,
Jan-Mar 1959, pp 1-8.

*JPRS

Five Years of Activity of the Geodetic, Topographic,
and Cartographic Research Institute, by Dr Engr
Frantisek Broz, 15 pp
CZECH, per, Geodeticky a Kartograficky Obzor, Vol V,
No 2, Prague, 1959, pp 21-26.

JPRS 1671-N

Description of the City of Cluj, by Stefan Pascu,
Iosif Pataki, Vasile Popa, 16 pp.
RUMANIAN, per, Clujul, 1957, pp 9-11, 113-121,
125-170.

JPRS L-845-N

Eastern Europe
Sociological

Anti-Religious Training of Bulgarian Pupils in the Primary Grades, by Gana N. Turiyska, 6 pp. BULGARIAN, per, Narodna Prosveta, No 4, Sofia, 1959, pp 59-63.

JPRS 1-1747-D

Improving the Training of Medical Students, by Grozdan Vekilor, 5 pp. BULGARIAN, np, Narodna Kultura, No 20, Sofia, 16 May 1959.

JPRS-821-D

Regulations for Enrolling Students in Bulgarian Professional Schools in the 1959-1960 School Year, 4 pp. BULGARIAN, np, Narodna Kultura, No 21, Sofia, 23 May 1959.

JPRS 804-D

Teachers Assist the Komsomol in Fighting Religion, by Stanka Gencheva, (NY-2795). BULGARIAN, np, Uchitelsko Delo, Vol X, No 15, Sofia, 17 Feb 59.

*JPRS

The Content and Forms of the Atheistic Training of Pupils, by Stoyko Popov, Mikhail Buchvarov, (NY-2795). BULGARIAN, np, Uchitelsko Delo, Vol X, No 15, Sofia, 17 Feb 1959.

*JPRS

New Class Plans for General Educational Schools in East Germany, 8 pp. GERMAN, np, Deutsche Lehrerzeitung, No 21, Berlin, 22 May 1959.

JPRS 804-D

Excerpts From: Draft of Curriculum for Socialist Teacher Training at Advanced Schools, Universities, and Pedagogical Institutes in East Germany, 9 pp. GERMAN, np, Forum, No 20, 21, Berlin, 14-21 May 1959.

JPRS 804-D

Christianity and Politics, by Bela Korvath, (DC-2978). HUNGARIAN, per, Irodalmi Ujsag, 15 Jun 1959, 1 p.

*JPRS

Eastern Europe
Sociological (Contd)

Radio and Television in Czechoslovak Libraries.
POLISH, per, Antena, No 12, 1958, pp 11, 12.

*ACSI, H-4066

Excerpts From: Demographic Statistics, by E.
Mesaros, 11 pp.
RUMANIAN, per, Statistica Demografica, Bucharest,
1957, pp 35-45.

Dept of Commerce
Bur of Census
Foreign Manpower Res
Office

Excerpts From: Statistics of Labor and Salaries,
by V. Trebici, I. Ferenbac, 11 pp.
RUMANIAN, per, Statistica Muncii si Salarilor,
Bucharest, 1956, pp 5-15.

Dept of Commerce
Bur of Census
Foreign Manpower Res
Off

Scholars as "Adventurers".
SERBO-CROATIAN, per, Savremena Tehnika, Jan 1959,
p 3.

Navy 2176/ONI 505

Economic

Sanitary Aspects of Water Supply, by W. Lojander.
FINNISH, per, Suomen Lääkärilehti, 13:18, 1 Jul
1958, pp 957-962.

*ACSI, H-4368

Military

Importance of Volunteer Officer and Petty
Officer Training for the Defense of Goteborg
and the West Coast, by Herrick Lange.
SWEDISH, per, Goteborgs Forsvar, Vol XLI,
1958, pp 23-28.

Navy 2182/ONI 527

Goteborg Sea Defense Flotilla, by Anders
Haide.
SWEDISH, per, Goteborgs Forsvar, Vol XLI,
1958, p 47-51.

Navy 2182/ONI 527

A Few Words About the Norwegian Heimeverne
(Home Guard).
SWEDISH, per, Goteborgs Forsvar, Vol XLI,
1958, pp 82-84.

Navy 2182/ONI 527

The Danish Hjemmevaern, by S. E. Johnstad
Moller.
SWEDISH, per, Goteborgs Forsvar, Vol XLI,
1958, pp 85, 86.

Navy 2182/ONI 527

Lessons for Goteborgs Defense.
SWEDISH, per, Goteborgs Forsvar, Vol XLI,
1958, p 91.

Navy 2182/ONI 527

NEAR EAST/AFRIC.

Economic

Report of 36th Session of UAR Government Railways Directorate, Ministry of Communications; Report of 6th Session of UAR Government Railways Directorate, Ministry of Communications. ARABIC.

*ACSI, H-4043

Annual Report on Ship Traffic Through the Turkish Straits.

FRENCH, rpt, Attachment to NA, Ankara, IR-69-59, 6 Apr 1959.

Navy 2150/ONI 519

Excerpts From the Bank of Israel's Annual Report, 1958, 22 pp.
HEBREW, rpt, Encl to Desp No 822, AmEmbassy, Tel Aviv, 15 Jan 1959.

Dept of State
4282161

Political

Selected Translations on International Communist Developments, (DC-3801/1).

ARABIC, GERMAN, SPANISH, wkly up, 10 May-19 Jun 1959.

*JPRS

Selected Translations on International Communist Developments. Declaration of the Iraqi Communist Party on the Cessation of Party Activity by the National Democratic Party, (DC-3801/1).

ARABIC, d up, Ittihad Ash-Sha'b, Baghdad, 23 May 1959, pp 1, 4.

*JPRS

Political Program of the United Democratic Reform Front, 11 pp.

GREEK, pamphlet, Politikon Programma Eniaiou Dimokratikou Metopou Anadimourgias (EDMA), May 1959, pp 3-13.

JPRS L-1751-D

Near East/Africa
Political (Contd)

Iran on the Road to Destruction, by P. Milov,
(DC-2974).

RUSSIAN, per, Sovremennyy Vostok, No 5, 1959,
pp 21-24.

*JPRS

Workers of the East in the Struggle for Truth,
Independence, and Peace, by I. S. Kirdar, M.

Kerimov, A. Nil'skiy, (DC-2974).

RUSSIAN, per, Sovremennyy Vostok, No 5, 1959,
pp 35-39.

*JPRS

Military

Iraqi Air Force College, 9 pp.

ARABIC, rpt, Al Waqayi' Al 'Iraqiya, No 3787,
26 Apr 1956.

AF 1239699

Purposes and Means of Metropolitan Forces of
Belgian Congo, 14 pp.

FRENCH, pamphlet, Tropiques - Revue des Troupes
d'Outre-Mer, pp 18-25.

ACSI, H-4093

Health Organization in the Indian Army, by
Vladimir Polic, 12 pp.

SERBIAN, per, Vojnosanitetski Pregled, No 11/12,
1956, pp 612-615.

ACSI, H-3727

Sociological

Medical Training in the Sudan, by Christoph Weiss,
11 pp.

GERMAN, per, Deutsche Medizinische Wochenschrift,
No 5, Jan 1959, pp 195-198.

ACSI, H-3728

Hindustan Pushpack - India.

POLISH, per, Skrzydla Polska, No 17, 22 Apr 1959,
p 13.

*ATIC MCL-291/V

Egyptian Literature at a New Stage, by A. F.
Sultanov, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatur'
Yaz'ka, Vol XIV, No 1, 1955, pp 63-72.

JPRS L-1791-D

FAR EAST

Economic

Communist China's Industry and Materials in Translation: Featuring Heavy Industry, (DC-3504/3).
CHINESE, per, Peiping, 18 Jan-21 Mar 1959.

*JPRS

Report on 1957 Final and 1958 Draft Budgets, by Wang I-hsin, 9 pp.

CHINESE, np, An-shan Jih-pao, 29 Jun 1958, p 5.

JPRS 1743-N

The Advancing Chemical Industry of Shansi Province, by Liu Yung-ch'ang, 6 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 2, 21 Jan 1959, pp 22, 30, 31.

JPRS 1744-N

Direction for the Development of Native Chemical Fertilizer Production, by Feng Po-hua, 15 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 2, 21 Jan 1959, pp 23-28.

JPRS 1744-N

Overcome Difficulties With Thousand Ways and Hundred Plans in the Development of Kiangsi Chemical Industry, by Ti Kao-feng, 6 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 2, 21 Jan 1959, pp 29, 30.

JPRS 1744-N

Present Contradiction Between Supply and Demand of Chemical Products and Urgent Measures To Be Adopted, by Wu Liang-p'ing, 13 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 3, 6 Feb 1959, pp 1-4.

JPRS 1744-N

Recovery of Sulphur Resources in Non-Ferrous Processing Enterprises and Development of Sulphuric Acid Production, 3 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 3, 6 Feb 1959, p 5.

JPRS 1744-N

Significance of Using Plastics in Place of Metallic Materials in China's National Economy, by Hsu Shih-tao, 5 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 3, 6 Feb 1959, pp 11, 14, 15.

JPRS 1744-N

Far East
Economic (Cont'd)

Shantung Chemical Industry of the Past Year, by
Li Ch'uan-chih, 7 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 3, 6 Feb
1959, pp 23, 24.

JPRS 1744-N

Continuously Raise Labor Productivity, by K'o
Ch'ing-chih, 16 pp.

CHINESE, per, Hung-chi, No 9, 1 May 1959, pp 8-17.

JPRS 795-D

Multi-Operational Management of Amalgamated
Large-Scale Enterprises, by Niu Chung-huang, 7 pp.

CHINESE, per, Hung-chi, No 9, 1 May 1959,
pp 18-21.

JPRS 795-D

Science and Production, by Liu Hsien-chou, 12 pp.

CHINESE, per, Hung-chi, No 9, 1 May 1959,
pp 22-29.

JPRS 795-D

Several Problems in Leadership Over Agricultural
Production, by Tseng Hsi-sheng, (DC-3502/2).

CHINESE, per, Hung-chi, No 12, 16 Jun 1959,
pp 1-8.

*JPRS

The Development of Natural Science and Its Rela-
tion to Production, by Kung Yu-chih, (DC-3502/2).

CHINESE, per, Hung-chi, No 12, 16 Jun 1959,
pp 9-17.

*JPRS

The Dialectical Viewpoint in Water Harnessing
Work, by Li Fan-fu, (DC-3502/2).

CHINESE, per, Hung-chi, No 12, 16 Jun 1959,
pp 23-29.

*JPRS

Advance a Step in Strengthening and Stabilizing
the Worker-Peasant Alliance, by Teng Chih,
(DC-3502/2).

CHINESE, per, Hung-chi, No 12, 16 Jun 1959,
pp 30-37.

*JPRS

In Regard to the Problem of the Form of Commodity
Prices Within the System of Ownership by All the
People, by Hu Chun, (DC-3502/2).

CHINESE, per, Hung-chi, No 12, 16 Jun 1959,
pp 38-49.

*JPRS

Far East
Economic (Contd)

Influences of Amount of Seed Sown, Period of Seedlings and Seed Variety on Crop Characteristics of Paddy Rice, by Liang Kuang-shang, 12 pp. CHINESE, per, Kwangtung Nung-yeh T'ung-hsun, No 3, 6 Feb 1958, pp 2-6.

JPRS 768-D

Preliminary Report on the Results of a Survey of the Supply and Chemical Composition of Farm Manure in the First Cooperative of Lung-Pang, by Hsin-hui Hsien, 8 pp. CHINESE, per, Kwangtung Nung-yeh T'ung-hsun, No 6, 21 Mar 1958, pp 19-22.

JPRS 768-D

Promote the Use of Substitute Materials for Mine Timbers, 12 pp. CHINESE, per, Mei-kuang Chi-shu, No 2, Peiping, 1958, pp 3-5.

JPRS 1773-N

Experience in the Use of Reinforced Concrete Bar-and-Props and Rail Ties, by Ko Ch'ang-keng, 9 pp. CHINESE, per, Mei-kuang Chi-shu, No 2, Peiping, 1958, pp 9, 10.

JPRS 1773-N

Experience in the Use of Permanent Equipment for Sinking of Ch'ang-han-kou [Inner Mongolia] Vertical Shafts, by Ning K'uei-lin, 21 pp. CHINESE, per, Mei-kuang Chi-shu, No 4, Peiping, 1958, pp 30-36.

JPRS 1773-N

Application of Shortwall Mining and Roof Bolting at Ssu-lao-kou Mine, 24 pp. CHINESE, per, Mei-kuang Chi-shu, No 5, Peiping, 1958, pp 25, 33-39.

JPRS 1773-N

Birth of First Hydraulic Mine in China, by Li Shu-lo, 5 pp. CHINESE, per, Mei-kuang Chi-shu, No 8, Peiping, 1958, pp 3, 4.

JPRS 1773-N

The Leap Forward From Mechanical to Hydraulic Mining, by Chang Yu-ch'ang, 20 pp. CHINESE, per, Mei-kuang Chi-shu, No 8, Peiping, 1958, pp 6-9.

JPRS 1773-N

Preliminary Summary of Industrial and Semi-industrial Experiments of U-Tube Hoisting, 9 pp. CHINESE, per, Mei-kuang Chi-shu, No 9, Peiping, 1958, pp 19-21.

JPRS-1773-N

Far East
Economic (Contd)

Coal Combine Moves Through Five Cycles Daily,
by Yu Kang-tang, 3 pp.

CHINESE, per, Mei-kuang Chi-shu, No 9, Peiping,
1958, pp 21, 22.

JPRS 1773-N

Organization of Hydraulic Mining for High Pro-
duction, 7 pp.

CHINESE, per, Mei-kuang Chi-shu, No 11, Peiping,
1958, pp 9-11.

JPRS 1773-N

Experience of Hydraulic Mining in Thick Inclined
Coal Seams, 17 pp.

CHINESE, per, Mei-kuang Chi-shu, No 11, Peiping,
1958, pp 22, 28.

JPRS 1773-N

Hydraulic Mining in Thick Slightly Inclined Coal
Seams, 10 pp.

CHINESE, per, Mei-kuang Chi-shu, No 11, Peiping,
1958, pp 33-36.

JPRS 1773-N

Hydraulic Mining Experience in the Chiao-tso
Coal Mines (Hydraulic Mining in Thick Slightly
Inclined Coal Seams), 8 pp.

CHINESE, per, Mei-kuang Chi-shu, No 11, Peiping,
1958, pp 42-44.

JPRS 1773-N

Study of Problems in the Use of Natural Stones
With a Mortar of Furnace Ash and Lime as Mine
Shoring Construction Materials in the K'ai-luan
Mines, 11 pp.

CHINESE, per, Mei-kuang Chi-shu, No 12, Peiping,
1958, pp 15, 18-20.

JPRS 1773-N

Speed Up the Construction of Coal Washing Plants,
4 pp.

CHINESE, per, Mei-t'ian Kung-yeh, No 2, 19 Jan
1959, pp 2, 3.

JPRS 770-D

Technical Revolution Achieved by Coal Extraction
Army, High Production Work Sites Developed During
Second Round, 7 pp.

CHINESE, per, Mei-t'ian Kung-yeh, No 4, 19 Feb 1959,
p 9 (table).

JPRS 770-D

Far East
Economic (Contd)

Liu Chiu Hsueh Mining Team Achieves Twin Objectives of Safety and High Production, 7 pp.
CHINESE, per, Mei-t'an Kung-yeh, No 5, 4 Mar 1959, pp 20-22.

JPRS 770-D

Report on Development of National Economy and Results of State Plan Implementation in 1957, 22 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 1 May 1958, p 2.

JPRS 1779-N

Let the Great Khingan Range Forest Be the Forest Treasure of All Future Generations, by Chieh-erh-ko-le, 4 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 13 Jun 1958, p 5.

JPRS 796-D

Rely on the Party and the Entire Body of People to Build Forestry Bases and to Transform and Utilize Deserts, by Ch'i Chun-shan, 3 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 5.

JPRS 796-D

Let Us Build Our Region Into a Rear Stronghold of Our Fatherland, by Wang Hai-shan, 3 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 6.

JPRS 796-D

Make Full Use of the Liberation of the Thought of the Masses to Improve the Food Administration of Our Region, by Shih Ying, 3 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 6.

JPRS 796-D

Exercise the Procuratorial Authority to Safeguard the Success of the General Line, by Chang Ju-kang, 5 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 7.

JPRS 796-D

Tentative Regulations on Domestic Plant Disease Inspection, 13 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun, No 1, Peiping, 1950, pp 17-20.

JPRS 768-D

Far East
Economic (Contd)

How to Develop Sources of Cattle Feed, 5 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 1, Peiping, 1958, pp 23-25.

JPRS 768-D

Results of Insect Controls by Dusting Soybean
and Sugar Beets With 20% Insecticide "666",
by Wang Cheng-lun, Hsiang Lien-jing, Li Shun-
chih, 6 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 1, Peiping, 1958, pp 34-36.

JPRS 768-D

Some of China's Best Rice Varieties, by Tseng
Kuan-hui, 5 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 2, Peiping, 1958, pp 84-86.

JPRS 768-D

On Dense Planting of Cotton During the Cotton
Leap-Forward Drive, by Chang Ssu-tuan, 4 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 3, Peiping, 1958, pp 131, 132.

JPRS 768-D

Contents of Fertilizer Elements in Various
Fertilizer Materials, by Chiao Sheng-hui,
24 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 4, Peiping, 1958, pp 207-212.

JPRS 768-D

Prevention of the Wilting of Cotton Blossom
and Pericarp, by Li Chao-lin, 5 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 5, Peiping, 1958, pp 242, 243.

JPRS 768-D

Mobilize all Fertilizer Sources to Increase
Paddy Rice Production, by Liu I-chih, 5 pp.
CHINESE, per, Nung-yeh K'o-hsueh T'ung-hsun,
No 5, Peiping, 1958, pp 280, 281.

JPRS 768-D

Work Report of the Shantung Provincial Peoples'
Council to the Second Session of the First Con-
ference of the Provincial People's Congress,
by T'ian Ch'i-lang, 39 pp.
CHINESE, op, Ta-chung Jih-pao, Tsinan, 3 Nov
1958, pp 3, 4.

JPRS 1723-N

Far East
Economic (Contd)

Annual Plans of Communist China. Report Concerning
Tsinghai National Economic Development and Results
of First Five-Year Plan, by Tsinghai Provincial
Statistical Bureau, (NY-3505/2).

CHINESE, np, Tsinghai Jih-pao, 9 Jul 1958, p 2.

*JPRS

Translations on Outer Mongolia. State Bank of
the Mongolian People's Republic, by G. Balzhid,
(NY-3504/1).

CZECH, per, Finance a Uver, No 1, 1959, pp 40-47.

*JPRS

Forestry in Cambodia, 21 pp.

FRENCH, per, Cambodge d'Aujourd'hui, Jan 1959,
Encl to Desp No 455, AmEmbassy, Phnom Penh.

Dept of State
4280724

The Railroads of Vietnam and Their Reconstruc-
tion, 25 pp.

FRENCH, per, Marches Tropicaux et Mediterraneens,
No 681, Nov 1958, pp 2879-2885.

ACSI, H-4094

Als Arzt in Korea, by Walter Von Muschter, 23 pp.

GERMAN, per, Das Deutsche Gesundheitswesen Z fuer
Medizin, Vol XIV, No 17, pp 778-788.

ACSI, H-4360

Summary of Foreign Office Report on Communist
China's Economic Expansion in Southeast Asia,
8 pp.

JAPANESE, rpt, Encl 1 to Desp No 1335, AmEmbassy,
Tokyo, 25 May 1959.

Dept of State
4278187

Communist China's Trade With Southeast Asian
Countries, 10 pp.

JAPANESE, rpt, Encl 2 to Desp No 1335, AmEmbassy,
Tokyo, 25 May 1959

Dept of State
4278187

Survey on Laotian Small and Medium Enterprises
and Development Plan.

JAPANESE, pamphlet, Laos Ni Okeru Chusho Kigyo
To Sono Ikuseisaku Ni Kansuru Chosa, Mar 1959,
22 pp.

USACRAPAC, PD
No 99560

Far East
Economic (Contd)

Extracts on Japan's Chemical Industry, Chap IV.
Three Distinctive Features: Equipment, Combines,
and Basic Research. Chaps VII, VIII. The Course
of the Chemical Industry in Japan (Parts 2, 3).
Chap IX. The Present Chemical Industry, by Hayashi
Yujiro, (DC-2960).

JAPANESE, bk, Nihon no Kagaku Kogyo, Tokyo,
30 Nov 1958, pp 30-52, 89-169.

*JPRS

Survey of Transportation and River Systems in
Southeast Asia.

JAPANESE, pamphlet, Tonan a Kasen Kosen Chosadan
Hokokusho, Mar 1959, 105 pp.

USACRAPAC, PD
No 99562

Agricultural Producer's Cooperatives of the
Higher Type, by N. A. Kokarev, 33 pp.

RUSSIAN, bk, Sotsialisticheskoye Preobrazovaniye
Sel'skogo Khozyaystva v Kitayskoy Narodnoy
Respublike, Chap VII, Moscow, 1958, pp 186-228.

JPRS 808-D

Foreign Economic Relations of the People's
Republic of China, by A. A. Netrusov, 30 pp.

RUSSIAN, pamphlet, Vshneekonomicheskiye
Svyazi Kitayskoy Narodnoy Respubliki, Series III,
No 30, Moscow, 1958, pp 1-32

JPRS 812-D

The Coke-Chemical Industry of the Chinese
People's Republic, by A. N. Gorodilov, 12 pp.

RUSSIAN, per, Koks i Khim, No 10, 1958,
pp 60-63.

JPRS 809-D

The Great Development of the National Economy
and People's Communes in China, by Michal Faltan,
(DC-2976).

SLOVAK, per, Ekonomicky Casopis, Vol VII, No 2,
1959, pp 125-141.

*JPRS

Translations on North Vietnam, Economic Data.
Agriculture, (DC-3507/1).

VIETNAMESE, np, Hanoi, 23 Mar-9 Jun 1959.

*JPRS

Far East
Economic (Contd)

Translations on North Vietnam, Economic Data.
Agricultural Cooperativization, by Nguyen Ngoc
Oanh, (DC-3507/2).

VIETNAMESE, np, Nhan Dan (Rural Edition), No 111-
115, 118-126, 18 Mar-22 Apr 1959.

*JPRS

Selected "Nhan Dan" Articles on Basic Construc-
tion in North Vietnam, "Significance and Importance
of the 1959 Basic Construction Plan", by Nguyen
Cao Luyen, 5 pp.

VIETNAMESE, np, Nhan Dan, No 1818, 7 Mar 1959,
p 3.

JPRS 1688-N

Selected "Nhan Dan" Articles on Basic Construction
in North Vietnam, "1958 Achievement", by Tran
Viet, 8 pp.

VIETNAMESE, np, Nhan Dan, No 1823, 12 Mar 1959,
p 3.

JPRS 1688-N

Selected "Nhan Dan" Articles on Basic Construc-
tion in North Vietnam, "Haiphong 1959 Plan", by
Tran Dung Tien, Nguyen Dai, 7 pp.

VIETNAMESE, np, Nhan Dan, No 1825, 14 Mar 1959,
p 3.

JPRS 1688-N

Far East
Political

Chronology of Events in Tibet, 1949-1959, (DC-2980).
CHINESE, monograph, Hsi-tsang ta Shih-chi, 1949-1959, Peiping, 1959, 34 pp.

*JPRS

Our Attitude Regarding Comrade Mao Tse-tung's
Carrying the Responsibility of Leadership of
the Party and State, (NY-2842).
CHINESE, monograph, Wo-men Tui-yu Mao Tse-tung
T'ung-ch'ih Tan-jen Tang-huo-kuo-chia Ling-tao
Jen-te T'ai-tu, Dec 1958, pp 1-4.

*JPRS

Selected Articles on Minorities From Min-tsu
Yen-chiu and Min-tsu Tuan-chieh, May 1959,
(DC-2962).
CHINESE, per, Peiping, May 1959.

*JPRS

Translations From Communist China's Political
and Sociological Publications: Featuring the
Reevaluation of History, (NY-3503/4).
CHINESE, per, Mar-May 1959.

*JPRS

An-shan People's Congress Convened, 4 pp.
CHINESE, np, An-shan Jih-pao, 29 Jun 1958, p 1.

JPRS 1743-N

The 1958 Municipal People's Council Work Report,
by Li Wei-min, 22 pp.
CHINESE, np, An-shan Jih-pao, 29 Jun 1958,
pp 2, 3.

JPRS 1743-N

What is the Big Idea of Schools Operated by
People's Communes?, by Yuan Jo-ying, 5 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 10,
Peiping, 1958, pp 10-12.

JPRS 779-D

Analyze and Solve Contradictions, by Tso Min,
6 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 10,
Peiping, 1958, pp 54-56.

JPRS 779-D

Can Industry and Agriculture Develop Simultane-
ously?, by Ch'en Ch'ing, 6 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 11,
Peiping, 1958, pp 36-39.

JPRS 779-D

Far East
Political (Contd)

Use Two Feet To Walk--Crush Partiality, Establish Impartiality, by Wang Tze-yeh, 9 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 1-6.

JPRS 779-D

Speed Up the Establishment of Socialism, by Teng Fang, 6 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 7-10.

JPRS 779-D

Recognize and Practice Rules, by Kan Feng, 4 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 16, 17, 57.

JPRS 779-D

Concern of Mass Livelihood, by Shen Hsing, 5 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 18-21.

JPRS 779-D

Collectivism and Freedom, by Yuan Shen, 4 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 22-24.

JPRS 779-D

Don't Fear the Enemy in Strategy, But in Tactics, by Hsiao Ming, 5 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 25-28.

JPRS 779-D

Distribution System of the People's Communes, by Fang Hsi-cheng, 5 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 12, Peiping, 1958, pp 35-37.

JPRS 779-D

Everything New Is Based on the Old, by Wang Fei, 3 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 2, 27 Jan 1959, pp 8, 9.

JPRS 1777-N

On Constant Revolution and Stages of Revolutionary Development, by Tai Fang, 6 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 2, 27 Jan 1959, pp 21-24.

JPRS 1777-N

Must We Still Maintain the Idea of Political Command,
by Yeh Ch'ing, 3 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 3, 12 Feb
1959, pp 21-24.

JPRS 1777-N

Must We Still Maintain the Principle of "Distri-
bution According to Labor," by Yeh Ch'ing, 3 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 3, 12 Feb
1959, pp 32, 33.

JPRS 1777-N

Can Our Productive Capacity Ever Be Exhausted?,
by Jen Wei, 5 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 4, 27 Feb
1959, pp 8-10.

JPRS 1777-N

Positiveness and the Sickness of Impatience, by
Li Hsiu-lin, 3 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 4, 27 Feb
1959, pp 26, 27.

JPRS 1777-N

Can Philosophy Solve all the Problems?, by
Hsiao-Ming, 4 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 5, 12 Mar
1959, pp 16-18.

JPRS 1777-N

Dispelling Superstition and Respecting Science,
by Yu-Hang, 5 pp.
CHINESE, per, Cheng-chih Hsueh-hsi, No 5, 12 Mar
1959, pp 24-26.

JPRS 1777-N

Consolidate the Victory in the Struggle Between
the Two Lines in Procuratorial Work and
Struggle to Wipe Out the Influence of Remnant
Bourgeois Legal Viewpoints, by T'an Cheng-Wen,
13 pp.
CHINESE, per, Cheng-fa Yen-chiu, No 6, Peiping,
31 Dec 1958, pp 27-32.

JPRS 813-D

My Participation in the Judicial Field Work
Conference at Cheng-chou, by Chou Hsin-min, 9 pp.
CHINESE, per, Cheng-fa Yen-chiu, No 6, Peiping,
31 Dec 1958, pp 53-56.

JPRS 813-D

Far East
Political (Contd)

How We Safeguarded the Security of the People's Communes, by Chao Fu-sung, 5 pp.

CHINESE, per, Cheng-fa Yen-chiu, No 6, Peiping, 31 Dec 1958, pp 57, 58.

JPRS 813-D

Strike Incisive Blows at the Enemy, Handle Disputes Promptly, and Safeguard the Solidarity and Development of the People's Communes, by Chang Jung-chi, 6 pp.

CHINESE, per, Cheng-fa Yen-chiu, No 6, Peiping, 31 Dec 1958, pp 59, 60.

JPRS 813-D

How We Safeguarded the Security of the Welfare People's Communes, by Ts'ui Ch'eng-hsuan, 6 pp.

CHINESE, per, Cheng-fa Yen-chiu, No 6, Peiping, 31 Dec 1958, pp 61-63.

JPRS 813-D

The People's Commune Movement and Administrative and Judicial Work, by Wang Shu-wen, 7 pp.

CHINESE, per, Cheng-fa Yen-chiu, No 6, Peiping, 31 Dec 1958, pp 70-72.

JPRS 813-D

Annual Plans of Communist China. Heilungkiang 1958, Work Report, by Ou-yang Ch'in, (NY-3505/3).
CHINESE, np, Heilungkiang Jih-pao, 25 Jan 1959, pp 1-3.

*JPRS

Communist China Digest, (DC-3503/1).

CHINESE, per, Hsin-hua Pan-yueh-k'an, No 11, Peiping, 10 Jun 1959, pp 187-189.

*JPRS

Significant National-International Developments During 1-15 June 1959, (DC-3503/1).

CHINESE, per, Hsin-hua Pan-yueh-k'an, No 12, Peiping, 25 Jun 1959, pp 187-189.

*JPRS

Several Problems Concerning Division According to Labor, by Ho Chun, (DC-3502/1).

CHINESE, per, Hung-chi, No 11, 1 Jun 1959, pp 17-24.

*JPRS

The Law of Value and the Disciplinary Nature of Price Determination Under a Socialist System, by Yu Kuang-yuan, (DC-3502/1).

CHINESE, per, Hung-chi, No 11, 1 Jun 1959, pp 25-35.

*JPRS

Far East
Political (Contd)

The "Past" and the "Present" in the Teaching of History, by Pai Shou-i, (DC-3502/1).

CHINESE, per, Hung-chi, No 11, 1 Jun 1959, pp 36-44.

*JPRS

Relying on the Masses Is the Life-Line of All Work, by Mao Fu-chun, Ch'in Yu-chen, Ch'en Li-yen, (DC-3502/3).

CHINESE, per, Hung-chi, No 13, 1 Jul 1959, pp 16-19.

*JPRS

Speed, Quality, by Ts'ao Peo-ming, (DC-3502/3).

CHINESE, per, Hung-chi, No 13, 1 Jul 1959, pp 20-24.

*JPRS

Appendix: Emphasize the Present Rather Than the Past, Do and Study Simultaneously, Speech by Ch'en Po-ta on 10 Mar 1958 to 5th Meeting, Science Planning Committee, (DC-3502/3).

CHINESE, per, Hung-chi, No 13, 1 Jun 1959, pp 46-49.

*JPRS

Oppose Individualism, Establish Communism, 7 pp. CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958, pp 1-4.

JPRS 799-D

Wang Cheng and Other Anti-Party Elements Are All Subversives, by Li Huang, 11 pp.

CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958, pp 5-11.

JPRS 799-D

Expose the Anti-Party Nature of the Politically Ambitious Sung Li, by Fu Chung-hai, 7 pp.

CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958, pp 12-15.

JPRS 799-D

Down With the White Flag, Up With the Red Flag, Struggle to Implement Thoroughly the Resolution of Plenary Session of the Provincial Committee, by Ch'iu Hsin-yeh, 6 pp.

CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958, pp 16-18.

JPRS 799-D

Mr. [unclear]
Political

To Wipe Out the Anti-Party Influence of Tsang Lien-shan
Labor Union Party, by [unclear] Leadership of
the Party, 1 pp. [unclear]
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 19-21.

JPRS 799-D

Wipe Out the Influence of Anti-Party Cliques,
Learn How to Correctly Dispose of the People's
Internal Contradictions, by Hsu Chin-ming, 7 pp.
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 22-24.

JPRS 799-D

Wipe Out the Influence of Tu Che-Heng's "One-
Horn Dragon" Policy, by Tsang Shun-liang, 3 pp.
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 25-27.

JPRS 799-D

Progress in the Movement to Operate Schools in
Factories and Enterprises, by Hsu Shao-fu, 6 pp.
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 28-31.

JPRS 799-D

Some Experience of Chin-chou in Factory-Operated
Schools, by Wang P'eng-ch'eng, 9 pp.
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 32-36.

JPRS 799-D

Resolutely and Thoroughly Implement the Central
Committee's Agricultural "Constitution," by
Chang Ch'ing-t'ai, 8 pp.
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 37-41.

JPRS 799-D

Uninterrupted Revolution, One-Spurtism, and the
Rest, by Mou Chung, 5 pp.
CHINESE, per, Li-lun Hsueh-hsi, No 6, 1 Dec 1958,
pp 42-44.

JPRS 799-D

Marxism in China, by Chiang Ch'un-fang, 36 pp.
CHINESE, per, Li-shih Yen-chiu, No 12, 1958,
pp 1-20.

JPRS 1745-N

Make the People's Democratic United Front Stronger
by Chi Ya-fai, 5 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 1959,
pp 1.

JPRS 795-D

Democratic Personages Must Forge Ahead to Be
Leftists, by Wu Ta-p'ing, 3 pp.
CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun. 1959,
p 6.

JPRS 796-D

The Party Leadership Must Place Emphasis on
Industry, by Yang Chih-lin, 18 pp.
CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 3-9.

JPRS 1783-N

Opinions on Assuring the Realization of the
Decisions of the Enlarged Plenum of the Political
Bureau of the Central Committee of the Chinese
Communist Party, by Liu Ching-p'ing, 9 pp.
CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 10-12.

JPRS 1783-N

Promote the Communist and Socialist Education
Movement in the Agricultural Villages, by Hu
Chao-heng, 17 pp.
CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 16-21.

JPRS 1783-N

Introducing the Struggle of two Cooperatives to
Remove the White Flags and Raise the Red Ones, by
Yen-Su, 8 pp.
CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 15, 22, 23.

JPRS 1783-N

Birth of the Red Flag People's Commune, 6 pp.
CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 24, 25.

JPRS 1783-N

A Positive Policy in the Socialist Reform of
Animal Husbandry, by Lei Tai-fu, 6 pp.
CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 29, 30.

JPRS 1783-N

Political

Political Power -- Chairman Mao's Writing, 6 pp.

CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 31, 32.

JPRS 1703-N

Workers' Study of Chairman Mao's Writing, 6 pp.

CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 33-35.

JPRS 1763-N

Philosophy Curriculum for the Red and Expert
School of the Hung-feng People's Commune in
Wu-ch'uan Hsien, 4 pp.

CHINESE, per, Shih-chien, No 4, 1 Oct 1958,
pp 34, 35.

JPRS 1783-N

Revise the Constitution!

JAPANESE, per, Tairiku Mondai, 1 Jun 1959, pp 31-34.

USACRAPAC, PD
No 99578

Soviet Experts on Japanese Affairs.

JAPANESE, per, Tairiku Mondai, 1 Jun 1959,
pp 44-50.

USACRAPAC, PD
No 99578

Chinese Communist Rule of Tibet the Past
Eight Years.

JAPANESE, per, Tairiku Mondai, 1 Jun 1959,
pp 51-60.

USACRAPAC, PD
No 99578

References

The United States Guided Missile Can Be Destroyed
WILLIAMS, J. H. Chieh-fang-chun Pao, Peiping, 16 Mar 1958, pp 1-2.

ACSI, H-3661

Ideological Problems in Literature and Arts, by
Liu Chih-chien, 6 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
16 Mar 1958, p 3.

JPRS 1730-N

T'ao Cheng Delivers Important Speech, 8 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
9 Apr 1958, p 1.

JPRS 1730-N

Make a Determined Effort to Become Deep Red
and Expert, 3 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
27 Apr 1958, p 1.

JPRS 1730-N

The Antiparty Crimes of Ch'en I and a Lesson
for Us, 7 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
1 Mar 1958, pp 1, 2.

JPRS 1730-N

Marshall Yeh Chien-Ying Discusses the Problem
of Learning, 3 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
22 May 1958, p 1.

JPRS 1730-N

Break With One-Sided Military View and Promote
Political Work, 4 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
16 Jun 1958, p 1.

JPRS 1730-N

Who Is Afraid of Atom Bombs?, by Sung Chuang,
3 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
20 Aug 1958, p 2.

JPRS 1730-N

The Basis for Opposing One-Sided Political
View, 5 pp.
CHINESE, np, Chieh-fang-chun Pao, Peiping,
17 Sep 1958, p 3.

JPRS 1730-N

Military (Contd)

An Experimental Discussion of the Dialectical Materialist Basis of the Military Theories of Chairman Mao Tse-Tung, by Yan, Chao-ching, 5 pp CHINESE, np, Kuang-ming Jih-pao, Peiping, 2 Nov 1958, p 5.

JPRS 796-D

Geographic

Translations on China's Physical and Economic Geography: The Huai Ho Basin Plans, (DC-3506/1). CHINESE, per, Chung-kuo Shui-li, Dec 1956, Apr 1957.

*JPRS

Translations on China's Physical and Economic Geography: Agricultural Geography of Yunnan, by Tsan Wei-lien, (DC-3506/2). CHINESE, per, Nung-yeh Hsueh-pao, No 2, Peiping, May 1957, pp 133-146.

*JPRS

The Distribution of Vegetation in the Yellow River Valley, by Ch'ien Ch'ung-chu, Wu Chung-lun, 17 pp. CHINESE, per, Ti-li Hsueh-pao, Vol XX, No 3, Peiping, Sep 1954, pp 267-278.

JPRS 789-D

Shifting River Courses in the Lower Reaches of the Pei Chiang in Kwangtung Province, by Yeh Hui, 35 pp. CHINESE, per, Ti-li Hsueh-pao, Vol XXIII, No 2, Peiping, May 1957, pp 145-159.

JPRS 1720-N

Report on Chinese Surveying and Cartography, by Yu Ts'ang, (NY-2841). CHINESE, per, Tse-hui T'ung-pao, No 2, 1958, pp 91-93.

*JPRS

New Guinea, by Willem Carel Klein, (ID-2116134). DUTCH, bk, Nieuw Guinea, Vol I, pp 259-281, Vol II, pp 1-25, 31-35, 37-40, 42-57, 67-98, 106-179, 218-250, 276-353, Vol III, pp 259-277, 283-286, 288-300, 346-368.

*ACSI, H-3816

... the Lu-san People's Courts, by
 ...
 CHINESE, np, An-shan Jih-pao, 29 Jun 1958, p 6. JPRS 1743-N

The Correct Road for Scientific Research in the
 Institutions of Higher Learning, by Kao Ching-te,
 1 p.
 CHINESE, np, Jen-min Jih-pao, Peiping, 11 Nov
 1958, p 7. JPRS 796-D

Advance a Step to Expand the Glorious Role of
 Women in Socialist Construction, 7 pp.
 CHINESE, np, Jen-min Jih-pao, Peiping, 12 Nov
 1958, p 7. JPRS 796-D

How Workers in Shanghai Learn Marxist Theory,
 by Pao Fu, 6 pp.
 CHINESE, np, Jen-min Jih-pao, Peiping, 15 Nov
 1958, p 7. JPRS 796-D

Smashing Superstitions of the Devil Spirits at
 Night, by Huang Ken-ting, 4 pp.
 CHINESE, np, Jen-min Jih-pao, Peiping, 10 Dec
 1958, p 6. JPRS 796-D

Expand the Experience of the Movement to Learn
 Philosophy by the Masses, by Information Depart-
 ment of the Hsien Committee of the Chinese
 Communist Party, Lu-san, Honan, 7 pp.
 CHINESE, np, Jen-min Jih-pao, Peiping, 12 Dec
 1958, p 7. JPRS 796-D

Increase Your Vigilance, Improve Your Capabilities,
 and March Forward Courageously for Socialist Con-
 struction, by Tsai Chang, 15 pp.
 CHINESE, np, Jen-min Jih-pao, Peiping, 14 Dec
 1958, p 2. JPRS 796-D

The Complete Educational System of the Chao-
 Yuan People's Commune, by Tung Wen-pin, 9 pp.
 CHINESE, np, Kuang-ming Jih-pao, Peiping,
 13 Nov 1958, p 3. JPRS 796-D

Far East
Sociological (Contd)

Our Schism With the Bourgeoisie on the Question of Knowledge and Labor, by Kiu Yang-chiao, 8 pp. CHINESE, np, Kuang-ming Jih-pao, Peiping, 28 Nov 1958, p 3.

JPRS 796-D

The People of the O Lun Chun Nationality Are Leaping Forward, by Pa T'u Je Ts'ang, 3 pp. CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 5.

JPRS 796-D

Planned Birth Control, by Shih Hsueh-wen, 3 pp. CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 6.

JPRS 796-D

A Few Points Concerning Forestry and Public Health, by Sun Ian-feng, 4 pp. CHINESE, np, Nei-meng-ku Jih-pao, 17 Jun 1958, p 6.

JPRS 796-D

The Cambodian Language, by Francois Martini, 10 pp. FRENCH, per, France-Asie, Vol XII, No 114, 115, Saigon, Nov/Dec 1955, pp 427-435.

JPRS 819-D

Public Opinion Poll on the Japanese Self Defense Forces, 49 pp. JAPANESE, rpt, Jan/Feb 1956.

ID 2112957

WESTERN EUROPE

Economic

Code for Classification of Air Observation Literature, 142 pp.

DUTCH, manual, Code voor Classificatie van Luchtvaartliteratuur, 1945, 63 pp.

ATIC F-TS-9639/III

The Motor Vehicle Industry, 5 pp.

FRENCH, doc, La Documentation Francaise, 19 Nov 1956, pp 15, 16.

ACSI, H-3544, A

Automation in the Military Field, 6 pp.

FRENCH, doc, La Documentation Francaise, 19 Nov 1958, pp 33, 34.

ACSI, H-3544, B

Provisional Description of the Tap Type 668

Parachute, 10 pp.

FRENCH, rpt, Etudes et Fabrications Aeronautiques, pp 1-15.

ACSI, H-3563

The Twin-Engine MD-415 "Comsunaute" and MD-410 "Spirale"; The Jodel D-140 "Mousquetaire".

FRENCH, per, Aviation Magazine, Apr 1959, pp 18-27, 38, 39.

*ACSI, H-4095

Flash on Radio Monte Carlo and a Visit to Radio Center of Monte Carlo.

FRENCH, mp, Le Haut-Parleur, No 996, 15 Oct 1957, pp 17, 18.

*ACSI, H-4053

Present Development of Naval Shipbuilding Industry, According to Lloyd's Register.

FRENCH, per, Journal de la Marine Marchande, No 2049, 26 Mar 1959, pp 619-641.

Navy 2185/ONI 531

Decree No 59-626 of 12 May 1959 Relative to the Exercise of the Seafaring Profession and Working Conditions on Ship, 8 pp.

FRENCH, per, Journal Officiel, 16 May 1959.

Dept of Commerce
Maritime Admin
Off of Prop and Supp
Div of Off Serv

Shall We Build a Ship?, by Ary Biolchini.

PORTUGUESE, per, Portos e Navios, Nov-Dec 1958, p 14.

Navy 2192/ONI 554

Western Europe
Political

Selected Translations on International Communist
Developments. Program of Swiss Party of Labor
(Communist) Adopted at VII Congress, Geneva
16-18 May 1959. (The Party of Labor of Switzerland-
What It Is and What It Wants: The Program of the
Party), (DC-3861/1).
GERMAN, wkly up, Vorwaerts, Basel, 19 Jun 1959,
pp 9-20.

*JPRS

Military

Vice Admiral H. H. L. Propper Leaves the Bridge.
DUTCH, per, Alle Hens, Vol XII, Jun 1959, pp 2-4.

Navy 2191/ONI 552

Commander of the Netherlands Naval Forces.
DUTCH, per, Alle Hens, Vol XII, Jun 1959, pp 5-6.

Navy 2191/ONI 552

The Base Exists Five Years, 10 pp.
DUTCH per, De Militaire Spectator, Jan 1959.

ID 2113254

News From the RCN.
DUTCH, per, Onze Vloot, May 1959, p 179

Navy 2189/ONI 549

Procedure for Provisioning the Belgian Army,
3 pp, (ID 2106109).
FRENCH, rpt, Procédure de Fourniture des Vivres
a l'Armée Belge.

ACSI, H-3763

At the Ordnance School, by Maj A. Durieux.
FRENCH, per, L'Armée-Ia Nation, No 2, 1959,
pp 13-16.

*ACSI, H-3777

The Military Instruction.
FRENCH, per, Revue Militaire d'Information,
Apr 1959, pp 91-104.

*ACSI, H-4314

Western Europe
Military (Contd)

A. Milestones of the Past Five Years of the Federation; B. The Swiss Reconnaissance Service. GERMAN, per, Pionier, No 3, 1957, pp 60-66.

*ACSI, H-3778

Naval Weapons.

ITALIAN, per, La Marina Militare Italiano, 1959, pp 53, 54.

Navy 2188/ONI 547

Regulations for the Uniforms of Army Personnel. PORTUGUESE, pamphlet, Regulamento de Uniformes do Pessoal do Exercito (Rupe) 2ª Parte 1954.

*ACSI, H-3856

LATIN AMERICA

Economic

Ship Construction in Brazil, by Amiceto Cruz Santos.

PORTUGUESE, per, Portos e Navios, Revista Tecnica Hidroviaria, Mar/Apr 1959, pp 15-19.

Navy 2186/ONI 536

Political

Decree No 45,975 of 11 May 1959: New Regulation Governing the Inspectorate General of the Brazilian Air Force, 7 pp.
PORTUGUESE, rpt, 11 May 1959.

AF 1227180

Selected Translations on International Communist Developments. Report of Secretary-General Corvalan to Plenum of Central Committee of Chilean Communist Party, Santiago, 10 May 1959. (Report of Luis Corvalan to Plenum of the Communist Party), (DC-3801/1).
SPANISH, d np, El Siglo, Santiago, 11 May 1959, pp 3-12.

*JPRS

The Brainwashing Machine, by Lajos Ruff, 51 pp.
SPANISH, bk, La Maquina de Lavar Cerebros, 1958, pp 57-173.

JPRS L-1774-D

Red Passport to Shangri-La, by Vittorio Tincone, 6 pp.
SPANISH, per, El Hogar, Buenos Aires, 11 Jun 1959, pp 20-24.

JPRS L-1781-D

Latin America
Military

A. Uniform Regulations for Army Personnel, Ecuador, 1956, (ID 2022394); B. Uniform Regulations for Officer Personnel of the Armed Forces, Part I, 1956, Ecuador, (ID 2036329); C. Uniform Regulations - Insignia for Military Police and Motorcyclists in Escort Guard of the President, Colombia, 1955, (ID 2012831), 106 pp. SPANISH.

ACSI, H-367C

One Hundred Fifty Questions Asked of a Guerilla Fighter, by General Alberto Bayo, 48 pp. SPANISH, pamphlet, Ciento Cincuenta Preguntas a un Guerrillero, Havana, 1959, pp 1-33.

JPRS L-1775-D

Geographic

Manual for West Indies. GERMAN, rpt, Die Nordkuste Sud und Mittelamerikas, Part I, No 28, 3d Ed, Hamburg, 1958.

*Navy/HO-66

WORLD WIDE

Economic

Observations on International Petroleum Problems,
by Enrico Mattei, (DC-2979).

ITALIAN, per, Rassegna Italiana di Politica e
Cultura, Vol XXXVI, No 410, Apr 1959, pp 25-35.

*JPRS

The Eight International Towing Tank Conference.
SPANISH, rpt, La VIII Conferencia Internacional
de Canales de Experimentacion Naval, Madrid,
15-23 Sep 1957, also Ingenieria Naval, No 268,
1957.

Navy 2236/DTMB T-289

Sociological

Is There a God, by Ernest Kolman, 19 pp.
BULGARIAN, np, Narodna Mladezh, 14, 16, 20,
21, 28, 30 May 1959.

JPRS L-872-N

SCIENTIFIC

Aeronautics

Methods of Analogies in Aerohydrodynamics, by
N. N. Suntsov.

RUSSIAN, bk, Metody Analogiy v Aerogidrodinamike,
Moscow, 1958,

*ATIC MCL-278/V

New Modifications on Sporting Aircraft, by L.
Sokolov-Sokolenok.

RUSSIAN, rpt, Novyye Modifikatsii Sportivnykh
Samoletov.

*ATIC MCL-192/III.

Theory of Jet Engines, by Stechkin.

RUSSIAN, bk, Teoriya Reaktivnykh Dvigatelye,
Oct 1958, 150 pp.

6004th AISS
3-2B-105

Aircraft Which Has No Equal in the World (Unparalleled
Aircraft).

RUSSIAN, np, Pravda, No 184, 3 Jul 1959, p 5.

*ATIC MCL-288/III

Soviet Airfield Air Conditioner for Aircraft,
by M. Vyshedskiy.

RUSSIAN, np, Sovetskaya Aviatsiya, No 126,
31 May 1959, p 4.

*ATIC MCL-225/III

Full Translation of Soviet Periodical Vest Voz
Flot, No 11, 1958, 646679

ATIC

Aerodynamic Characteristics of High Speed Air-
craft, by K. K. Helnich,

CZECH, per, Kridla Vlasti, No 9, 28 Apr 1959,
pp 14, 15.

*ATIC MCL-224/V

SEPR - Liquid Propellant Rockets - Some SEPR
Construction, 5 pp.

FRENCH, brochure, SEPR - Fuses a Liquides -
Quelques Realisations, Jet Propulsion Research
Corporation, 7 pp.

ATIC F-TS-9665/III

Triumph of the Turbine; Sud Aviation Produces
2 New Remarkable Helicopters.

FRENCH, per, Aviation Magazine, 1 May 1959,
pp 20, 21, 24, 25.

*ACSI, H-4316

Scientific
Aeronautics (Contd)

Airplane, by Frederick William Wilkening, 28 pp.
FRENCH, Patent No 778,634.

Dept of Commerce
Patent Office, Sci Lib

ICAO (International Civil Aviation Organization)
and IATA (International Air Transport Association),
by K. H. Winker,
GERMAN, per, Deutsche Flugtechnik, No 3, 1959,
pp 65-68.

*ATIC MCL-284/V

Integral Construction and Its Meaning to the
Aircraft Industry, by F. Strobel.
GERMAN, per, Deutsche Flugtechnik, No 3, 1959,
pp 69-74.

*ATIC MCL-284/V

Testing of Landing Gears, Part II, by F. Seidel.
GERMAN, per, Deutsche Flugtechnik, No 3, 1959,
pp 79-81.

*ATIC MCL-284/V

Propeller Development and Manufacturing Problems,
Part III, by M. Lorenzen.
GERMAN, per, Deutsche Flugtechnik, No 3, 1959,
pp 82-85.

*ATIC MCL-284/V

Welding Aircraft Fabrication, by E. Kaluza,
GERMAN, per, Deutsche Flugtechnik, No 3, 1959,
pp 92-95.

*ATIC MCL-284/V

News Items for the World of Aeronautics,
GERMAN, per, Deutsche Flugtechnik, No 3, 1959,
p 96.

*ATIC MCL-284/V

The Nord Aviation, "Griffon" and the Future of
the Turbo Ramjet Engine for Supersonic Aircraft,
by N. Daum.
GERMAN, per, Luftfahrttechnik, No 5, 1959,
pp 59-167.

*ATIC MCL-277/III

Scientific
Astronomy

On the Problem of the Electron Density of the Solar Corona, by E. Ya. Bugoslavskaya.
RUSSIAN, per, Astron Tsirkulyar, No 157, 1955, pp 8, 9.

*ATIC MCL-227/III

Development Curves for Points on the Edge of the Solar Disk, by R. B. Teplitskaya.
RUSSIAN, per, Astron Tsirkulyar, No 172, 1956, pp 10, 11.

*ATIC MCL-240/III

Development of Chromospheric Flashes on the Sun, by A. B. Severnyy, Ye. F. Shaposhikova.
RUSSIAN, per, Astron Zhur, Vol XXXI, No 2, 1954, pp 124-130.

*ATIC MCL-237/III

Remarks to the Article by V. A. Krat, "Disipation of Solar Corona and Corpuscular Radiation, by G. M. Nikolskiy, Ye. A. Ponomarev.
RUSSIAN, per, Astron Zhur, Vol XXXI, No 2, 1954, pp 191-196.

*ATIC MCL-235/III

Full Translation of Soviet Periodical Astron Zhur, Vol XXXV, No 2, 1958.

Amer Inst of Phys
Sov Astron - AJ
Vol II, No 2

Full Translation of Soviet Periodical Astron Zhur, Vol XXXV, No 3, 1958.

Amer Inst of Phys
Sov Astron - AJ
Vol II, No 3

Full Translation of Soviet Periodical Astron Zhur, Vol XXXV, No 4, 1958.

Amer Inst of Phys
Sov Astron - AJ
Vol II, No 4

Study of the Polarization of Radiation From the Solar Corona on the Basis of Observations of the Total Solar Eclipse of 25 February 1952, by M. A. Vashakidze.

RUSSIAN, per, Byul Abastumani Astrofiz Observ, No 17, 1954, pp 3-25.

*ATIC MCL-241/III

Inaccuracy of the Determination of Radiant's Coordinates, by A. K. Sosnova,
RUSSIAN, per, Byul Komissii po Kometam i Meteoram Astron Soveta An SSSR, No 2, 1958, pp 34-38.

*ATIC MCL-226/III

Scientific
Astronomy (Contd)

Preliminary Results of Radar Observations of
Meteors at Lambda Equal 10 Meters, by Ye. I.
Fyalko, F. I. Peregudov, E. K. Nemirova.

RUSSIAN, per, Byul Komissii po Kometam i Meteoram
Astron Soveta An SSSR, No 2, 1958, pp 39-43.

*ATIC MCL-226/III

The Problem of Selecting a Radar Transmitter for
Radio Investigations of Meteoric Trails, by F. I.
Peregudov,

RUSSIAN, per, Byul Komissii po Kometam i Meteoram
Astron Soveta An SSSR, No 2, 1958, pp 44, 45.

*ATIC MCL-226/III

Photographic Determination of the Integral Brightness
of the Corona During the Total Solar Eclipse of
25 February 1952, in Archman, by A. K. Sosnova.

RUSSIAN, per, Byul Stalinabadskaya Astron Observ,
No 9, 1954, pp 22-24.

*ATIC MCL-239/III

Solar Radiation Observations Made in Byurakan
During the Eclipse of 30 June 1954, by V. Sanamyan,
G. A. Yerzhkanyan.

RUSSIAN, per, Dok Ak Nauk Armyanskoy SSR, Vol XX,
No 5, 1955, pp 161-164.

*ATIC MCL-236/III

Corpuscular Solar Radiation, by V. Krat, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, No 7,
1947, pp 1313-1316.

ATIC F-TS-9770/V

YL Photoelectric Recording of the Lambda Tepev A
Emission Line of the Solar Corona by Means of a
Spectrometer and a Coronagraph in the Absence of
Eclipse, by M. G. Karimov, V. I. Moroz.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIX, No 3,
1956, pp 469-471.

*ATIC MCL-232/III

Bright Flocculi in CA II Lines, by A. A.
Ismaylov.

RUSSIAN, per, Iz Ak Nauk Azerbaydzhanskoy SSSR,
No 8, 1955, pp 11-15.

*ATIC MCL-230/III

Scientific
Astronomy (Contd)

Spectrophotometric Measurement of the Lines of
Radiation of Mg II in the Solar Spectrum, by
G. S. Ivanov-Kholodnyy.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 9,
1958, pp 1105-1110.

*ATIC MCL-231/III

Some Results of Observations of the Solar Corona
Made Without an Eclipse and the Outlook for the
Development of a Coronal Observation Station,
by M. G. Karimov.

RUSSIAN, per, Iz Astrofiz Inst, Vol III, No 4,
1956, pp 89-90.

*ATIC MCL-233/III

Spectroregister of Radial Velocities, by G. A.
Morin.

RUSSIAN, per, Iz Krimskoy Astrofiz Observ, Vol
VIII, 1952, pp 119-122.

*ATIC MCL-234/III

The Road to the Stars, by K. P. Stanyukovich,
B. V. Lyapunov.

RUSSIAN, per, Novosti Nauki i Tekniki, Vol IV,
No 32/33, pp 26-40.

Navy 2170/ONI 460

The Problem Sun-Troposphere, by M. S. Evgenson.

RUSSIAN, per, Priroda, Vol XXXIII, No 1, 1944,
pp 3-11.

*ATIC MCL-228/III

Ion Density in the Solar Corona, by N. A.
Yakovkin.

RUSSIAN, per, Publikatsiy Kiyevskogo Astron
Observ, No 4, 1950, pp 17-31.

*ATIC MCL-242/III

Scientific
Biology

On Certain Laws Governing the Dynamics of the
Fecundity of Fishes, by G. V. Nikolsky.

RUSSIAN, bk, Ocherki po Obshchim Voprosam
Ikhtiologii, 1953, pp 199-205.

Dept of Int
English Tr of Fishery
Literature
Misc Ser 171

Radio-Stimulation of Plants and Its Possible
Theoretical Interpretation, by N. V. Timofeyev-
Resovskiy, N. V. Luchnik.

RUSSIAN, bk, Vsesoyuznaya Nauchno-Technicheskaya
Konferentsiya po Primeneniyu Radioaktivnykh i
Stabil'nykh Isotopov i Izlucheni v Narodnom
Khoziaistve i Nauke, 1958, pp 258-266. 9040626

USDA

Full Translation of Soviet Periodical Biokhim,
Vol XXIII, No 6, 1958.

Consultants Bureau

Conference on the Application of Mathematical
Methods in Biology, by R. L. Berg.

RUSSIAN, per, Botan Zhur, Vol XLIII, No 11,
1958, pp 1654-1657. 9040628

USDA

Galbanic Acid and Its Derivatives as New
Antibiotics of Plant Origin, by N. P. Kiryalov,
M. A. Litvinov, V. O. Mokhnach, T. N. Naugol'-
naya.

RUSSIAN, per, Botan Zhur, Vol XLIV, No 1, 1959,
pp 101-104. 9040615

USDA

A New Genus of Dasycladacea From the Middle
Carboniferous of the Moscow Tectonic Valley,
by I. V. Khvorova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXV,
No 5, 1949, pp 749-752.

ATS RJ-1047

A Newly Discovered Reproductive Organ of a
Devonian Plant, by V. P. Maslov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV,
No 2, 1957, pp 417-418.

ATS RJ-1043

Scientific
Biology (Contd)

The Significance of Identifying the Pollen of Different Species of the Genus *Betula* L. From the Standpoint of Stratigraphy of Quaternary Deposits, by L. V. Golubeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 3, 1957, pp 645-647.

ATS RJ-1045

Identification of Species of the Fossil Pollen of *Chenopodiaceae*, by M. Kh. Monoszon,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 3, 1957, pp 648-651.

ATS RJ-1046

Pollen Morphology of *Polygonum Bistorta* L. (Normal and Rudimentary Forms), by E. N. Ananova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1, 1958, pp 194-196.

Amer Inst of Biol Sci

The Photoperiodic Receptivity of Isolated Plant Leaves, by M. Kh. Chaylakhyan. 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1, 1958, pp 197-.

(see above)

Wound Reactions and the Dormant State of Potato Tubers, by E. A. Yablonskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 2, 1958, pp 411-.

(see above)

The Problem of the Physiology of Plant Flowering, by G. B. Ermilov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 598-.

(see above)

On the Interrelation Between Photosynthesis and Internal and External Nutrition of Plant Roots, by F. F. Matskov, T. K. Ikonenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 601-.

(see above)

Scientific
Biology (Contd)

The Effect of 2,4-D on Nitrogen Metabolism in
Lupine Seedlings and Wilting Tobacco Leaves, by
V. M. Torchinskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1144-.

Amer Inst of Biol Sci

Apospory in the Apple, by A. V. Konstantinov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1147-.

(see above)

Certain Peculiarities in Electroconductivity
Pattern of the Inner Tissues of Potato Tubers
During the Rest Period, by I. Z. Lazarev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1353-1355.

(see above)

The Effect of 2,4-D on Root Formation of Seedlings
by K. G. Miroshnichenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1356-1358.

(see above)

The Causes and Forms of Empty-Seededness of the
Sunflower in the Southeast, by V. K. Morozov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1359-.

(see above)

The Effect of Various Chemical Compounds on
The Sprouting of Potato Tubers During Storage,
by Yu. V. Rakitin, A. V. Krylov, K. G. Garayeva,
T. M. Geyden, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1,
1958, pp 175-178.

(see above)

Concerning the Physiological Role of Molybdenum
in Plants, by V. V. Yakovleva, E. I. Minina, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1,
1958, pp 179-.

(see above)

Scientific
Biology (Contd)

A Change in the Reaction of Summer Wheat Varieties
and the Result of Environmental Conditions of
Plant Growth, by M. G. A.ayev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 6,
1958, pp 1197-.

Amer Inst of Biol Sci

Leaf Diagnosis of Grain Quality of Spring Wheat,
by N. K. Bodirev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1,
1958, pp 171-173.

(see above)

The Question of the Annual Cycle of Development
of Mixed Buds in Orchard and Berry Crops, by

V. L. Vitkovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1,
1958, pp 174-.

(see above)

Rhythm of Development of Plants Native to High
Altitudes in Relation to Light Regime, by A. A.
Malyshov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1,
1958, pp 178-.

(see above)

Competition by Roots of the Tree Stand and
Structure of the Heronaceous-Shrubby Stratum in
Temperate Forests, by V. G. Karpov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2,
1958, pp 375-.

(see above)

Anatomical Structure of the Wood of Ash Trees
Originating by Sexual Propagation and Vegetative
Propagation in Relation to Tree Ontogenesis, by
A. M. Krasnitskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2,
1958, pp 379-.

(see above)

Effect of Manganese on the Synthesis and Ac-
cumulation of Plastid Pigments in Leaves of
Healthy and Diseased Potato Plants, by N. V.
Bazhonova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2,
1958, pp 382-.

(see above)

Scientific
Biology (Contd)

Types of Varietal Population of Sunflower
Established by Alteration of the Photoperiodic
Regime, by D. S. Meshcheret, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2,
1958, pp 386-.

Amer Inst of Biol Sci

Formation of Gutta-Percha in Young Roots of
European Euonymus, by L. A. Knyazeva, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 3,
1958, pp 602-.

(see above)

The Content and Dynamics of Soluble Carbohydrates
in the Vegetative Reproductive Organs of Rose
Water Pepper (*Acroptilon Picris* Cam.), by Yu. K.
Kudzin, I. A. Makodzeba, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 3,
1958, pp 606-.

(see above)

Classification of Apomixis in Angiosperms, by
S. S. Khokhlov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 812-.

(see above)

Methods of Fascination Development in Berry Plants,
by V. L. Vitkovskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 816-.

(see above)

Corn Roots and Some of Their Biological
Characteristics, by G. M. Dobrynin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 819-.

(see above)

Characteristics of the Annual Cycle and the
Frost Resistance of Woody Plants, by L. I.
Sergeyev, K. A. Sergeyeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 823-.

(see above)

The Effect of Physiologically Active Substances
on Overcoming Polarity in Lemon Grafts, by M. Kh.
Chaylakhyan, T. V. Nekrasova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4,
1958, pp 826-.

(see above)

Scientific
Biology (Contd.)

Use of a Stimulator of Naphtha Origin for
Increasing Yield, by D. M. Guseynov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5,
1958, pp 1032-.

Amer Inst of Biol Sci

Development of the Leaf Apparatus and Productivity of Sugar Beets With Usual Planting Arrangements as Compared With More Open Plantings, by P. M. Prikhod'ko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 1035-.

(see above)

Formation of the Root System of Pedunculate Oak, by N. P. Domanskaya, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6, 1958, pp 1233-.

(see above)

Distribution of the Products of Photosynthesis in Soybean in the Early Stages of Its Development, by I. Belikov, E. Kostetskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6, 1958, pp 1236-.

(see above)

Decomposition and Leaching of Leaves of Woody Plants, by V. I. Slovikovski, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6, 1958, pp 1240-.

(see above)

Influence of the Microelements Copper and Cobalt on the Content of Nucleic Acids in the Leaves of Potato, by N. D. Timashov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6, 1958, pp 1244-.

(see above)

Morphogenesis of Living Forms of Herbaceous Plants of Western Siberia, by V. N. Golubev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 195-198.

(see above)

Scientific
Biology (Contd)

The Effect of the Burrowing of *Allobius Talpinus* on the Development of Taky Vegetation, by E. V. Retshil'd, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 201.

Amer Inst of Biol Sci

The Effect of Infection With Gothic Disease on the Amino Acid Content of Potato Tubers, by B. I. Bershteyn, M. K. Fomyuk, A. S. Okanenko, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 425-428.

(see above)

The Effect of 2,4-Dinitrophenol on Water Absorption by Maize Roots, by G. M. Grineva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 431-.

(see above)

On the Interrelationship of Embryo and Endosperm During the Early Formative Stages in Sesame Seeds (*Sesamum Indicum* L.), by A. I. Ilyna, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3, 1958, pp 665-.

(see above)

Translocation of Assimilates in the Leaf Blade of Soya, by I. F. Belikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4, 1958, pp 904-906.

(see above)

The Nitrogen Metabolism of Maturing Maize Seeds, by E. V. Kolobkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4, 1958, pp 907-.

(see above)

Catalase Activity in Centrifuged Seeds, by E. G. Grinfel'd, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5, 1958, pp 1138-1140.

(see above)

A Characteristic of the Light Reaction in Isolated Chloroplasts, by D. I. Sapozhnikov, N. V. Bazhanova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5, 1958, pp 1141-1143.

(see above)

Scientific
Biology (Contd.)

The Effect of 2,4-D on Nitrogen Metabolism in
Lupine Seedlings and Wilted Tobacco Leaves, by
V. M. Torchinskaya, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1144-.

Amer Inst of Biol Sci

Apospermy in the Apple, by A. V. Konstantinov,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1147-.

(see above)

Certain Peculiarities in Electroconductivity
Pattern of the Inner Tissues of Potato Tubers
During the Rest Period, by I. Z. Lazarev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1353-1355.

(see above)

The Effect of 2,4-D on Root Formation of Seedlings
by K. G. Miroshnichenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1356-1358.

(see above)

The Causes and Forms of Empty-Seededness of the
Sunflower in the Southeast, by V. K. Morozov,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1359-.

(see above)

The Effect of Various Chemical Compounds on
The Sprouting of Potato Tubers During Storage,
by Yu. V. Rakitin, A. V. Krylov, K. G. Garayeva,
T. M. Gayden, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1,
1958, pp 175-178.

(see above)

Concerning the Physiological Role of Molybdenum
in Plants, by V. V. Yakovleva, E. I. Minina, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1,
1958, pp 179-.

(see above)

Scientific
Biology (Contd)

Effect of the Microelement Zinc on the Respiration of Grapes, by O. K. Dobrolyubskiy, A. V. Slavvo, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 370-373.

Amer Inst of Biol Sci

The Transformation of Ethyl Alcohol in Fruits During Its Stimulation of the Ripening Process, by A. V. Krylov, Yu. V. Rakitin, G. A. Tarakanova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 374-377.

(see above)

The Problem of the Role of Primary and Secondary Roots in Maize Nutrition, by I. V. Mosolov, A. V. Panova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 378-.

(see above)

The Vernalization of Isolated Buds of Biennial Plants in Sugar Solution, by A. S. Kruzhilin, Z. M. Shvedskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 3, 1958, pp 561-.

(see above)

Change in the Composition of the Herbaceous Cover of a Bottom-Land Meadow With the Introduction of Siberian Cow Parsnip (*Heracleum Sibericum* L), by T. A. Rabotnov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4, 1958, pp 750-.

(see above)

The Stimulatory Effect of Gibberellins From Different Sources, by N. A. Krasil'nikov, M. Kh. Chaylakhyan, G. K. Skryabin, Yu. M. Khoklova, I. V. Ulezlo, T. N. Konstantinova, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4, 1958, pp 755-.

(see above)

Initial Stages in the Formation of Annual Rings of Wood, by E. D. Lobzhanidze, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 928-.

(see above)

Scientific
Biology (Contd)

A New Method for Phenological Prognosis and
Agroclimatic Appraisal Using the Heat Factor,
by A. S. Podol'skiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2,
1958, pp 152-.

Amer Inst of Biol Sci

The Relation Between Respiration Rate and the
Content of Phosphorylated Compounds During
Drought, by V. N. Zholkevich, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 6,
1958, pp 1093-1096.

(see above)

Certain Physiological and Morphological Changes
in the Eyes of Irradiated Potato Tubers, by
E. G. Sal'kova, N. P. Korableva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 6,
1958, pp 1097.

(see above)

The Development of Brachyoblasts in Larix, by
N. V. Dylis, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 1,
1958, pp 138-.

(see above)

The Detoxication of the Certain Synthetic Sub-
stances in Plants, by Yu. V. Rakitin, I. L.
Shidlovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 1,
1958, pp 142-.

(see above)

Some Common Morpho-Anatomical Characteristics of
Variability of Plants Transmigrated to the Artic-
Alpine Botanical Garden, by L. A. Shavrov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 2,
1958, pp 308-.

(see above)

A Study of the Growth and Development of
Agropyron Repens, by (L.) Beyauv, N. A. Solov'-
jeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3,
1958, pp 524-.

(see above)

Scientific
Biology (Contd)

The Problem of Transformation of Thiourea
Tagged With S^{35} in Potato Tubers, by N. A.
Satarova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3,
1958, pp 528-.

After List of Biol Sci

The Specific Heat and Bound Water of Plants, by
A. F. Keshin, I. A. Shul'sin, M. E. Bokovaya, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 5,
1958, pp 940-943.

(see above)

Toward Preception of the Nature of the Effect
of Vitamins on Synthetic Activity of Roots With
Plant Assimilation of Mineral Nitrogen, by E. I.
Ratner, I. N. Dobrokhotova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 5,
1958, pp 944-.

(see above)

The Adaptation of the Root System of Woody Plants
Solonetz, by S. Ya. Karyevoi, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 6,
1958, pp 1115-.

(see above)

Daily Rhythm of Photosynthesis, by P. S. Belikov,
M. V. Motorina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 1,
1958, pp 185-.

(see above)

Entrance of Co^{60} Into Plants and Its Accumulation
in the Crop, by I. V. Gulyakin, E. V. Yudinsteva,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 2,
1958, pp 368-.

(see above)

Peculiarities of the Fusion of Nuclei of Sexual
Cells in the Peanut (*Arachinis Hypogaea* L.) by
S. S. Zamotaylov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5,
1958, pp 941-.

(see above)

Gibberellin-Like Substances Formed by Soil Yeasts,
by N. A. Krasil'nikov, M. Kh. Chaylakhyan, I. V.
Aseyeva, L. P. Khlopenkova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6,
1958, pp 1124-.

(see above)

Scientific
Biology (Contd)

Something New in Barley Fertilization, by M. Klyuchareva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6, 1958, pp 1128-.

Amer Inst of Biol Sci

Full Translation of Soviet Periodical Fiz Rasteniy, Vol V, No 1-6, 1958.

Amer Inst of Biol Sci

Conference on Polyploidy in Plants, by V. K. Shecherbakov.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXIV, No 1, Jan/Feb 1959, pp 151-154. 9040612

USDA

Selection of Branched Wheatagropyron Hybrids of the Winter Type, by N. V. Lebedev.

RUSSIAN, per, Priroda, Vol XLVIII, No 2, 1959, pp 98-100. 9040624

USDA

New Data on the Effect of Thermonuclear Explosions on Aquatic Organisms, by P. A. Moiseyev, 5 pp.

RUSSIAN, per, Rybnoye Khozyaystvo, Vol XXXIV, No 7, Moscow, 1958, pp 22-24.

JPRS L-1729-D

To Resume the Training of Breeders and Seed Growers, by A. A. Ukolov.

RUSSIAN, per, Selek i Semen, Vol XXIV, No 1, Jan/Feb 1959, pp 51, 52. 9040616

USDA

Synthesis of Cultivated Types of 42-Chromosome Wheat Resistant to Diseases, by P. M. Zhukovskiy, N. A. Rodyonova.

RUSSIAN, per, Trudy po Prikladnoi Botanike Genetike i Seleksii, Vol XXX, No 3, 1957, pp 271-277. 9040634

USDA

Problems of Cell Biochemistry, by I. B. Zbarskiy.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVII, No 8, 1957, pp 26-36. 9040627

USDA

Scientific
Biology (Contd)

Symposium on Continuous Cultivation of Micro-organisms, by N. D. Yerusalimskiy.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVIII, No 11, 1958, pp 73, 74. 9040637

USDA

Important Problems of Genetics, by A. A. Prokofyeva-Bel'govskaya, S. I. Alikhanian.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXIX, No 1, 1959, pp 98-100. 9040638

USDA

Philosophic Problems of Modern Natural Science, by E. N. Chesnokov.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXIX, No 1, 1959, pp 132-138. 9040639

USDA

Application of Antibiotics in Plant Growing, by E. K. Afrikian, A. G. Kuchayeva.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXIX, No 1, 1959, pp 142, 143. 9040640

USDA

Increasing Soil Fertility - An Important Task of Socialistic Agriculture, by N. S. Avdonin.

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV, No 1, 1959, pp 62-70. 9040635

USDA

Tenth International Congress on Genetics, by V. N. Stoletov.

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV, No 2, 1959, pp 114-121. 9040617

USDA

News in Research on Phytophthora in Potatoes, by T. I. Fedotova.

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV, No 2, 1959, pp 129, 130. 9040618

USDA

To Prevent the Danger of Smut Epiphytotics on Virgin Soils, by T. N. Shkliar.

RUSSIAN, per, Zashchita Rastenii ot Vreditelei i Boleznei, Vol IV, No 1, Jan/Feb 1958, pp 18, 19. 9040629

USDA

Scientific
Biology (Contd)

Cooperation of Phytohelminths and Lower Fungi
in Plants, by S. G. Muige.

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i
Boleznei, Vol IV, No 1, Jan/Feb 1959, pp 34, 35.
9040630

USDA

About the Microbiological Method, by Ya. V.
Chugunin.

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i
Boleznei, Vol IV, No 1, pp 36, 37. 9040631.

USDA

At the Session of Vaskhnil on Problems of
Vegetable Growing, Potato Growing, Cultivation of
Orchards and Viniculture,

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i
Boleznei, Vol IV, No 1, Jan/Feb 1959, pp 55-58,
9040632

USDA

Spring and Summer Feeding Habits of the Desert
Raven in the Northern Aral Territory, by S. N.
Varshavskiy, M. N. Shilov.

RUSSIAN, per, Zool Zhur, Vol XXXVII, No 10, 1958,
pp 1521-1530. 9040609

USDA

The Effect of Microflora on the Diastatic
Value of Malts, by Boleslaw Smyk, 13 pp.

POLISH, per, Przemysl Spozywczy, Vol X, No 1,
Warsaw, 1956, pp 22-25.

JPRS L-1753-D

Scientific
Chemistry

Part of the Detailed Syllabus in Chemistry.
RUSSIAN, rpt, publ by Moscow State University.

DSIR LLU M.387

Gravimetry, Bibliographical List.
RUSSIAN, bk, Gravimetriya Bibliograficheskiy
Spisok.

DSIR LLU M.322

Liquid Oxygen Explosives; Their Manufacture and
Use, by A. D. Yakhontov, et al, 35 pp.
RUSSIAN, bk, Oksilikvity ikh Proizvodstvo i
Primeneniye, Chap IV, Moscow, 1958, pp 133-163.

ATTC F-TS-9911/V

Temperatures of Incipient Reduction of Metal
Oxides by Solid Carbon, by V. P. Elyutin, R. F.
Merkulova, Yu. A. Pavlov.
RUSSIAN, rpt, Proizvodstvo Obrabotka Stali Spia-
vov, Collection of Papers No 38, Moscow, 1958,
pp 79-87.

Brutcher 4597

Theory and Practice of the Application of Ion-
Exchange Materials, by K. V. Chmutov, 215 pp.
RUSSIAN, bk, Teoriya i Praktika Primeneniya
Ionoobmennyykh Materialov, Moscow, 1955, pp 1-164.

JPRS L-974-N

The Mechanism of Acetylene Polymerization, by
S. A. Vartanyan, et al.
RUSSIAN, per, Dok Ak Nauk Armyan SSR, Vol XXVII,
No 2, 1958, pp 81-85.

ATS RJ-1674

Polymorphism of Liquids, by V. T. Slavyanskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, 1947,
pp 1077-1079.

*AEC

Theory of Multimolecular Adsorption, by A. A.
Zhukhovitskiy, R. N. Rubinshteyn, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXV, No 1,
1949, pp 41-44.

JPRS L-1717-D

A New Oxide of Potassium, by I. A. Kazarnovskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIV, No 1,
1949, pp 69-72.

ATS RJ-1691

The Heat of Formation of Potassium Ozonide, and
the Electron Affinity of the Ozone Molecule, by
G. P. Nikol'skiy, et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXII, No 4,
1950, pp 713-715.

ATS RJ-1690

Scientific
Chemistry (Contd)

The Boron-Chlorine Coefficient in Oil Field Waters, by T. I. Kazmina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, No 2, 1951, pp 301-303.

ATS RJ-1035

Alkylation of Benzene With 1,3-Butanediol Diacetate and 2,4,6-Hexanetriol Triacetate, by R. M. Lagidze.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, No 6, 1951, pp 1023-1026.

ATS RJ-1666

The Probability of Formation of Crystalline Nuclei in Binary Melts of the Eutectic Type, by Ya. V. Grechnyy, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIV, No 1, 1952, pp 89-92.

JPRS L-1722-D

The Influence of a Porous Structure of Adsorbent on the Form of the Adsorption Isotherm of Vapors, by M. M. Dubinin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIV, No 3, 1952, pp 539-542.

JPRS L-1721-D

Theory of Thermal Separation of Gas Mixtures by the Adsorption Method, by Ye. V. Vagin, A. A. Zhukhovitskiy, (NY-2736).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No 2, 1954, pp 273-276.

*JPRS

The Reaction of Saturated Hydrocarbons With Sulfuric Acid, by V. F. Lavrushin, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII, 1954, pp 265, 266.

ATS RJ-1626

An Investigation, Using C¹⁴, of the Secondary Reactions of Catalytic Cracking of Hydrocarbons, by E. A. Andreyev, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 6, 1955, pp 1119-1122.

ATS RJ-1589

Effect of Gamma Radiation on the Oxidation of Cetane, by M. A. Proskurnin, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 5, 1957, pp 886-889.

ATS RJ-1611

Scientific
Chemistry (Contd)

Phase Transformation in the System Sodium Carbonate Sodium Sulphate, by A. N. Khlapova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6, 1958, pp 1167-1169.

DSIR LLU RTS 1075

The Surface Conductivity of Quartz in the Presence of Adsorbed Film, by I. F. Abdrakhmanova, B. V. Deryagin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 94-97.

Consultants Bureau

A Study of the Oxidation-Reduction Potentials of Plutonium in Nitric Acid, by P. I. Artyukhin, A. D. Gel'man, V. I. Medvedovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 98-100.

(see above)

The Problem of the Mechanism of Electrolytic Polishing and the Structure of the Electropolished Surface, by G. S. Vozdvizhenskiy, G. A. Gorbachuk, G. P. Dezideryev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 101, 102.

(see above)

Reversible Isotherms for the Adsorption of Water on Quartz, by S. P. Zhdanov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 103-106.

(see above)

The Role of the Nonstationary Process in the Stimulation of Degenerative Branching Chain Reactions in the Liquid Phase, by D. G. Knorre, V. L. Pikayeva, N. M. Emanuel', 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 107-110.

(see above)

The Thermodynamics of $\text{CaCl}_2\text{-PbCl}_2$ Solid Solutions at 25°C , by L. L. Makarov, Yu. G. Vlasov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 111-113.

(see above)

The Measurement of the Differential Capacity of the Electrical Double Layer on the Dropping Mercury Electrode in Solutions of KF , LiCl , NaCl , and KCl in Methyl Alcohol, by S. Mints, Ya. Yastshembskaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 114, 115.

(see above)

Scientific
Chemistry (Contd)

The Mechanism of the Vertical Distribution of H_2O_2 Above a Solution, by I. L. Roykh, I. P. Bolotich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 116-118.

Consultants Bureau

The Kinetics of the Oxidation of Ferrocene by Iodine, by A. V. Savitskiy, Ya. K. Syrkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 119-121.

(see above)

The Equilibrium Potentials of Zirconium in Chloride Melts, by M. V. Smirnov, V. A. Chemezov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 122-125.

(see above)

The Mechanism of the Emulsifying Action of Solid Emulsifiers, by A. B. Taubman, A. F. Koretskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 126-129.

(see above)

The Dependence of the Lower Limit of the Structural Stability and the Critical Velocity Gradient on the Concentration of Oleogels of Aluminum Naphthenate, by V. A. Fedotova, A. A. Trapeznikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 130-133.

(see above)

The Electrocapillary Movement in Molten Slags, by V. V. Khlynov, O. A. Esin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 134-136.

(see above)

The Determination of Polarographic Diffusion Coefficients by the Use of the Rotating Disk Electrode, by V. D. Yukhtanova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1, 1958, pp 137-.

(see above)

The Adsorptive Properties of Aluminosilicate Catalysts and Their Dependence on Composition, by M. M. Egorov, Yu. A. Zarifyants, V. F. Kiselev, K. G. Krasil'nikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 326-329.

(see above)

Scientific
Chemistry (Contd)

The Luminescence Spectra of the Coordination Compounds of Uranyl Nitrate, by G. I. Kobyshev, D. N. Suglov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 330-332.

Consultants Bureau

The Catalytic Properties of Calcium Oxide, by O. V. Krylov, E. A. Pokina, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 333-335.

(see above)

The Reactions of Free Radicals in Solution. The Interaction of Free Radicals With Internal and External Double Bonds, by E. B. Milovskaya, B. L. Erusalimskiy, B. A. Dolgoplosk, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 336-338.

(see above)

The Mechanics of Polymer Molecules, by G. A. Patrikeyev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 339-342.

(see above)

The Nature of the Bonds and the Gas Permeability of Space Structured Polybutadiene, by S. A. Reytinger, A. S. Kuz'minskiy, L. A. Fel'dshtein, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 343-345.

(see above)

The Influence of the Salts of a Series of Lower Fatty Acids on Emulsion Polymerization, by A. I. Yurzhenko, S. S. Ivanchov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 349-.

(see above)

The Phenomenon of the Formation of Electrode Zones During the Electrocrystallization of Metals, by V. V. Bondar', Yu. M. Polukarov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3, 1958, pp 552, 553.

(see above)

The Theory of the Faraday Rectification, by Yu. A. Vdovin, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3, 1958, pp 554-557.

(see above)

Scientific
Chemistry (Contd)

The Mechanics of Extended Polymer Systems, by
G. A. Patrikeyev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3,
1958, pp 562-565.

Consultants Bureau

The Isotope Effect in the Critical Temperature,
by I. B. Rabinovich, V. A. Gorbushenkov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3,
1958, pp 566-569.

(see above)

The Determination of the Specific Surface and
the Pore Volume of Solid Polymeric Sorbents, by
A. A. Tager, M. V. Tsilipotkina, A. I. Suvorova,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3,
1958, pp 570-.

(see above)

A Contribution to the Theory of the Surface
Tensions of Solutions of Strong Electrolytes,
by V. E. Bravina, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 815-818.

(see above)

The Energy of Activation for Diffusional Creep
in Metallic Disordered Solid Substitution Solu-
tions, by Ya. E. Geguzin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 819-822.

(see above)

An Investigation of the Films on a Mercury Elec-
trode, by A. Ya. Gokhshtein, Ya. P. Gokhshtein,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 823-826.

(see above)

The Effect of Polarization on the Mechanical Prop-
erties of Steel, by G. V. Karpenko, R. I. Kripyake-
vich, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 827-829.

(see above)

The Energy of Coulombic Interaction Between
Silica Gel Hydroxyl Groups and Benzene Molecules,
by A. V. Kiselev, D. P. Poshkus, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 834-837.

(see above)

Scientific
Chemistry (Contd)

The Chemical Reactions of Atoms With Energies
Comparable to the Energy of Activation, by
B. N. Provotorov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 838-840.

Consultants Bureau

The Effect of Concentration on the Critical
Deformation and the Associated Structural Strength
of Aluminum Naphthenate Oleogels, by V. A.
Fedotova, A. A. Trapeznikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 841-844.

(see above)

Effect of Nickel on the Electrochemical and
Corrosion Behavior of Steel, by G. M. Floriano-
vich, Ya. M. Kolotyrkin, N. K. Smirnova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 845-.

(see above)

Effect of High Pressures on Self-Adhesion (Auto-
hesion) of High-Polymers, by L. A. Igonin, Yu. V.
Ovchinnikov, S. A. Arzhakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1062-1064.

(see above)

Mechanism of the Protective Action of Colored
Lacquer Coatings, by V. A. Kargin, M. I. Karya-
kina, Z. Ya. Berestneva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1065-1067.

(see above)

The Quasi-Stationary Thermal Regime in Explosion
Reactions, by A. G. Merzhanov, F. I. Dubovitskiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1068-1071.

(see above)

Study of the Adsorption of Cations on Platinized
Platinum by the Method of Measuring the Adsorption
Potentials, by A. D. Obrucheva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 1072-1075.

(see above)

Scientific
Chemistry (Contd)

X-Ray Diffraction From Regions Composed of Long Molecules, by D. Ya. Tsvankin, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5, 1958, pp 1076.

Consultants Bureau

The Edge Problem in the Theory of Heat Explosion, by V. V. Barzykin, A. G. Merzhanov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1271-1273.

(see above)

The Thermodynamics of Formation of the Higher Antimonide of Iron, by V. A. Geyderikh, Ya. I. Gerasimov, A. A. Vecher, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1274-1276.

(see above)

The Properties of Guttapercha in the Amorphous State, by V. A. Kargin, T. I. Sogolova, B. I. Aikhodzhayev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1277-1279.

(see above)

Relaxation Reaction of Impact Waves With a Zone of Combustion, by S. M. Kogarko, V. I. Skobelkin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1280-1283.

(see above)

Vapor Pressure of Saturated Selenium Vapors Below the Melting Point, by A. A. Kulyev, M. G. Shakhtakhtinskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1284-1286.

(see above)

A Contribution to the Theory of Thermal Chain Flame Propagation, by L. A. Lovachev, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1287-1290.

(see above)

A Study of the Dissociation of Oxygen Behind a Powerful Shock Wave, by S. A. Losev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1291-1293.

(see above)

Scientific
Chemistry (Contd)

Irreversible Catalytic Hydrogen Waves in Polarography, by S. G. Mayranovskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1294-1297.

Consultants Bureau

The Synthesis of Methyl Ferrocene, by A. N. Nesmeyanov, E. G. Perevalova.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1, 1958, pp 117, 118.

RAE 802

Magnetic Susceptibility of Solid Solutions of Certain Metalline Compounds, by G. V. Samsonov, V. S. Neshpor, N. S. Strel'nykova, 5 pp.
RUSSIAN, per, Dopovidi Ak Nauk Ukrayins'koyi RSR, No 8, 1958, pp 838, 839.

ATIC F-TS-9904/V

Accomplishments and Plans for the Future Growth of the Hydrolysis Industry of the USSR, by A. I. Kozlov, P. N. Tret'yakov.
RUSSIAN, per, Gidroliz i Lesokhim Prom, Vol X, No 7, 1957, pp 7-12.

ATS RJ-1696

Electron Paramagnetic Resonance in the $R_3Al-TiCl_4$ System, by A. E. Shilov, N. N. Bubnov.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1958, p 381.

ATS RJ-1727

Reactions of Fluoroolefins. Part 2. Preparation and Some Properties of 2-Iodoperfluoropropene, by I. L. Krunyants, et al.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1958, pp 425-427.

ATS RJ-1651

Carbonylation of p-Dichlorobenzene, by S. E. Yakushkina, N. V. Kislyakova.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1958, pp 1119-1122.

ATS RJ-1668

Reactions of Ethyl Free Radicals With Molecular Oxygen, by L. I. Avramenko, R. V. Kolesnikova.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1958, pp 1192-1198.

ATS RJ-1644

Scientific
Chemistry (Contd)

The Mechanism of the Catalytic Action of Fused Iron Catalysts of the Synthesis From CO and H₂, by Yu. B. Kagan, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1958, pp 1274, 1275.

ATS RJ-1676

Superplasticity in the System Aluminium-Copper, by A. A. Presnyakov, V. V. Chervyakova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1958, pp 120, 121.

DSIR LLU RTS 1043

Nature of the Solid Phase Which Crystallizes from Aqueous Solutions of Trisodium Orthophosphate at High Temperatures, by M. I. Ravich, L. G. Shcherbakova.

RUSSIAN, per, Iz Sektora Fiz-Khim Anal. Inst Obshch i Neorg Khim, Vol XXVI, 1955, pp 248-258.

ATS RJ-1689

Solubility Isotherm at 0° for the System HF-CrO₃-H₂O, by N. S. Nikolayev, Yu. A. Buslayev.

RUSSIAN, per, Iz Sektora Fiz-Khim Anal. Inst Obshch i Neorg Khim, Vol XXVI, 1955, pp 270-274.

ATS RJ-1683

The Effect of Aluminum Oxides on Certain Properties of Aluminum Alloys, by N. S. Klyagina.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Tsvetnaya Metal, No 1, 1959, pp 106-112.

*ATIC MCL-245/III

The Effect of Promoters on the Specific Activity of Iron Catalysts in the Ammonia Synthesis, by L. D. Kuznetsov, S. S. Lachinov.

RUSSIAN, per, Khim Nauka i Prom, Vol II, No 2, 1957, pp 269, 270.

ATS RJ-1700

Coefficients of Mass Transformation on Horizontal Perforated Plates at Various Gas Speeds, by I. N. Kuz'minykh, L. S. Aksel'rod, Zh. A. Koval', A. I. Rodyonov, (NY-2798).

RUSSIAN, per, Khim Prom, No 2, 1954, pp 86-89.

*JPRS

The Production of Dicalcium Phosphate and Ammonium Nitrate by the Nitric Acid Decomposition of Phosphates, by F. G. Margolis, et al.

RUSSIAN, per, Khim Prom, No 1, 1956, pp 26-31.

ATS RJ-1705

Scientific
Chemistry (Contd)

On the Properties of Paraffin-Base Oils at Low Temperatures, by G. V. Vinogradov, V. G. Lebedev.

RUSSIAN, per, Khim i Tekh Topliva, No 3, 1956, pp 54-58.

DSIR LLU M.351

The Effect of Pressure on the Viscosity of Solutions of Some Organo-Silicon Liquids in Mineral Oils, by M. M. Kusakov, L. A. Konovalova, V. I. Avdeyeva.

RUSSIAN, per, Khim i Tekh Top i Masel, No 4, 1957, pp 38-41.

DSIR LLU M.327

The Use of Radioactive Carbon for the Investigation of the Behavior of Methane Under the Conditions of Synthesis of Hydrocarbons From CO and H₂ Over Iron Catalysts, by Yu. B. Kryukov, et al.

RUSSIAN, per, Khim i Tekh Top i Masel, No 6, 1957, pp 26-33.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 297

Investigation of the Mechanism of Carbon Dioxide Reduction Using Radioactive Carbon, by I. G. Petrenko.

RUSSIAN, per, Khim i Tekh Top i Masel, No 7, 1957, pp 15-20.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 286

The Synthetic Detergent Industry Abroad and in the USSR, a Discussion, by A. D. Petrov.

RUSSIAN, per, Khim i Tekh Top i Masel, Vol II, No 8, 1957, pp 1-4.

ATS RJ-1695

Mechanism of Drying of Pelleted Aluminium Silicate Cracking Catalysts, by Ya. V. Mirskiy.

RUSSIAN, per, Khim i Tekh Top i Masel, No 12, 1957, pp 45-52.

DSIR LLU RTS 1071

The Effect of the Rate of Heating Coal on the Evolution of Volatiles, by M. G. Reznik, E. Ya. Eidel'man.

RUSSIAN, per, Khim i Tekh Top i Masel, Vol III, No 8, 1958, pp 56-58.

ATS RJ-1620

Scientific
Chemistry (Contd)

Regeneration of Hydrogenation Catalysts With
Hydrogen, by S. P. Rogov, et al.

RUSSIAN, per, Khim i Tekh Top i Masel, Vol III,
No 10, 1958, pp 29-33.

ATS RJ-1592

Comparison of Polyethylene Glycol Diesters With
Dibasic Aliphatic Acid Diesters, by S. S. Al'tman.
RUSSIAN, per, Khim i Tekh Top i Masel, Vol III,
No 11, 1958, pp 13-15.

ATS RJ-1655

A Rapid Dynamic Method of Determining the Specific
Surface Area of Catalysts, by S. N. Aleksandrov,
S. L. Skop.

RUSSIAN, per, Khim i Tekh Top i Masel, Vol III,
No 11, 1958, pp 62-66.

ATS RJ-1619

Effect of Thermal and Steam Treatments on the
Structure and Catalytic Activity of Spheroidal
Silica-Alumina Catalysts, by A. V. Kiselev, Yu. S.
Mikitin.

RUSSIAN, per, Khim i Tekh Top i Masel, Vol III,
No 12, 1958, pp 27-32.

ATS RJ-1591

The Influence of the Chemical Composition of an
Alumina-Cobalt Oxide-Molybdena Catalyst on Its
Activity in Hydrofining and Autohydrofining
Processes, by A. D. Sulimov, et al.

RUSSIAN, per, Khim i Tekh Top i Masel, Vol III,
No 12, 1958, pp 32-36.

ATS RJ-1590

The Vos-3 Hydrogen Liquefaction Plant, by A. B.
Pradkov.

RUSSIAN, per, Kislород, Vol XI, No 5, 1958,
pp 21-28.

ATS RJ-1717

The Use of Polystyrene at Low Temperatures, by
A. A. Trokhin.

RUSSIAN, per, Kislород, Vol XI, No 5, 1958,
pp 62-64.

ATS RJ-1718

The Economics of the Soda-Vacuum and the Soda-
Arsenate Methods of Cleaning Hydrogen Sulphide
From Coke Oven Gas, by F. Ya. Bevzin.

RUSSIAN, per, Koks i Khim, No 6, 1957, pp 48-51.

DSIR LLU RTS 1059

Scientific
Chemistry (Contd)

Structure of Gels. XII. Preparation of Gels From Solutions of a Copolymer of Methyl Methacrylate and Methacrylic Acid, by N. F. Proshlyakova, et al.

RUSSIAN, per, Kolloid Zhur, Vol XX, No 2, 1958, pp 199-201.

ATS RJ-1632

Chemistry on New Horizons, by S. I. Vol'fkovich, (NY-2761).

RUSSIAN, np, Krasnaya Zvezda, No 117, 21 May 1959, p 3.

*JPRS

Use of Borine Chloride for Casting Magnesium Alloys, by D. A. Kuznetsov, et al.

RUSSIAN, per, Lit Proiz, No 5, 1959, p 32.

*ATIC MCL-246/III

Surface Active Properties and Detergency of Mixtures of Soaps and Synthetic Detergent Agents, by F. V. Nevolin, et al.

RUSSIAN, per, Masloboyno-Zhirov Prom, No 1, 1958, pp 23-25.

DSIR LLU RTS 1056

The Determination of the Fatty Acid Composition of Vegetable Oils From the Iodine and Thiocyanate Numbers, by V. P. Rzhakhin.

RUSSIAN, per, Masloboyno-Zhirov Prom, Vol XXIV, No 8, 1958, pp 10-12.

DSIR LLU RTS 1044

How to Preserve the Quality of Aluminium Foil, by P. Dolzhanov.

RUSSIAN, per, Molochnaya Prom, Vol XIX, No 2, 1958, p 43.

DSIR LLU RTS 1022

Extraction of SC, Y, CE, LA, U and TH Salicylates, by B. N. Sudarikov, et al.

RUSSIAN, per, Nauchnyye Dok Vysshey Shkoly, Khim i Khim Tekh, No 1, 1959, pp 80-83.

*ATIC MCL-249/III

The Formation of Complex Compounds of ND and YB With Ethylenediaminetetraacetic Acid During Cation-Exchange Chromatography, by L. I. Martynenko.

RUSSIAN, per, Nauchnyye Dok Vyshey Shkoly, Khim i Khim Tekh, No 1, 1959, pp 84-87.

*ATIC MCL-249/III

Scientific
Chemistry (Contd)

The Character of Coal Seam Gasification and of the Deformations of the Overburden During U. S. in the Lower Moscow Basin, by I. A. Turchaninov.
RUSSIAN, per, Podzemnaya Gaz Uglei, Vol II, 1957, pp 74-78.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 512

Utilizing Chemicals More Extensively in Agriculture, by S. I. Vol'fkovich.
RUSSIAN, per, Priroda, Vol XLVIII, No 2, 1959, pp 7-11. 9040623

USDA

Emission Characteristics of Hexaborides of Some Rare Earth Metals, by G. A. Kudintseva, B. M. Tsarev, 3 pp.
RUSSIAN, per, Radiotekh i Elektron, Vol III, No 3, 1958, pp 428, 429. 9040156

DSI 514
(British)

Full Translation of Soviet Periodical Steklo i Keramika, Vol XIII, No 7-12, 1956.

Consultants Bureau

Solid Benzine, by T. Otitsina, S. Naumova.
RUSSIAN, per, Tekhnika Molodezhi, No 3, 1959, pp 22, 23.

*ATIC MCL-260/V

Dyeing Wool and Fabrics by the Adsorption Method, by V. V. Brazauskas, V. V. Klusis.
RUSSIAN, per, Tekstil Prom, No 3, 1958, pp 37-40.

DSIR LLU RTS 1025

The Conversion of Hydrocarbon Gases by Steam Over Silica-Molybdena Catalysts, by K. P. Lavrovskiy, et al.
RUSSIAN, per, Trudy Inst Nefti, Ak Nauk SSSR, Vol VIII, 1956, pp 131-133.

ATS RJ-1599

Humic Acids in Peat and Characteristics of Their Structure, by T. A. Kukhareenko.
RUSSIAN, per, Trudy Inst Toris, Ak Nauk SSSR, Vol III, 1954, pp 120-132.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 96

The Action of Alkyl Halides on Sodium, Potassium, and Silver Salts of Dialkyl Hydrogen Thiophosphates. Part 2, by A. E. Arbuzov, O. M. Shapshinskaya.
RUSSIAN, per, Trudy Kazan Khim-Tekhnol Inst imeni S. M. Kirova, No 18, 1953, pp 8-21.

ATS RJ-1650

Scientific
Chemistry (Contd)

Study of the Superstructure of Ni_3Fe by a Neutron Diffraction Method, by B. G. Lyashchenko, D. F. Litvin, I. M. Puzel, Yu. G. Abov, 9 pp. RUSSIAN, per, Trudy Korf Metal i Metallov, 1958, pp 452-458.

AEC NF Tr 227

The Viscous Properties of Plastic Disperse Systems and the Wall Slipping Effect, by V. V. Sinitsyn.

RUSSIAN, per, Trudy Fret'ev Vses Korf po Kolloid Khim Ak Nauk SSSR, 1956, pp 127-142

DSIR LLU M.349

On a Solution of Stokes Problem for the Case of a Triaxial Ellipsoid and Derivation of Generalized Formula, by D. V. Zagrebin. RUSSIAN, per, Uchen Zap Lenin U, No 116, 1949, pp 174-186.

*ATIC

The Development of Chemical Physics in the USSR During Forty Years, by V. M. Kondrat'ev. RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 11, 1957, pp 1310-1319.

ATS RJ-1716

Vinylation by Means of the Gignard Reaction, by S. T. Yoffe. RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 8, 1958, pp 1010-1024.

ATS RJ-1629

Present State of the Electronic Theory of Catalysis on Semiconductors, by P. F. Vol'kenshtein. RUSSIAN, per, Uspekhi Khim, Vol XXVII, No 11, 1958, pp 1304-1320.

ATS RJ-1671

Development of Chemical Studies at Super-High Compressions, by M. G. Gonikberg, 16 pp. RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVII, No 2, 1957, pp 50-58.

AEC Tr 3705

The Chemistry and Practical Uses of Organosilicon Compounds. All-Union Conference in Leningrad - September 1958, 4 pp. RUSSIAN, per, Vest Ak Nauk SSSR, No 12, 1958, pp 97-100. 9040340

DSI 521
(British)

Scientific
Chemistry (Contd)

The Isolation of Properdin and Some Data on Its Chemical Composition, by Ye. N. Voluyakaya, N. V. Cheburkina, V. I. Tovarnitskiy, (NY-2797). RUSSIAN, per, Voprosy Med Khim, Vol V, No 3, Moscow, 1959, pp 200-205.

*JPRS

A Laboratory Vibrating Mill, by E. S. Aleksandrov. RUSSIAN, per, Zavod Lab, No 7, 1958, pp 902-.

DSIR LLU M.366

On the Structure of Carbon Formed During the Thermal Decomposition of Carbon Monoxide in Contact With Iron, by L. V. Radushkevish, V. M. Luk'yanov. RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, 1952, pp 88-95.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 327

Absorption of Gases in the Presence of Surface-Active Agents. III. Mechanism of the Effect of Surface-Active Substances on the Rate of Absorption, by A. N. Ternovskaya, A. P. Belopol'skiy, (DC-2964). RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 8, 1952, pp 1090-1096.

*JPRS

Experimental Confirmation of the Theory of Crystal Growth and the Relation Between the Equilibrium Forms and the Forms of Growth, by V. I. Danilov, V. I. Malkin, (NY-2749). RUSSIAN, per, Zhur Fiz Khim, Vol XXVIII, No 10, 1954, pp 1837-1844.

*JPRS

The Kinetics of Crystallization Processes of Solutions and Melts, by A. K. Skryabin, (NY-2747). RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 4, 1957, pp 780-791.

*JPRS

The Specific Catalytic Activity of Metals, by G. K. Boreskov. RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 5, 1957, pp 937-951.

ATS RJ-1675

The Gaseous Initiation by Nitrogen Dioxide of the Liquid Phase Oxidation of Cyclohexane, by E. T. Denisov, M. M. Emanuel. RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 6, 1957, pp 1266-1275.

DSIR LLU M.342

Scientific
Chemistry (Contd)

Oxidation of Ethylene to Ethylene Oxide on a Silver Catalyst, by A. I. Kurilenko, et al. RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 5, 1958, pp 1043-1048.

ATS RJ-1614

A Method for Cryoscopic Measurements, by T. N. Sumarokova, G. I. Arsenov. RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 5, 1958, pp 1153, 1154.

ATS RJ-1680

The Mechanism of Corrosion of Metals in Narrow Slits and Crevices, by I. L. Rozenfel'd, et al. RUSSIAN, per, Zhur Fiz Khim, No 2, 1959, pp 411-415.

*ATIC MCL-248/III

Solid-Phase Reactions Involving Molybdenum Trioxide, by A. N. Zelikman. RUSSIAN, per, Zhur Neorg Khim, Vol I, No 12, 1956, pp 2778-2791.

ATS RJ-1679

Distribution of a Complex Compound Between Two Solvents, by N. P. Komar', (NY-2748). RUSSIAN, per, Zhur Neorg Khim, Vol II, No 5, 1957, pp 1015-1024.

*JPRS

The Main Achievements of Soviet Inorganic Chemistry in 40 Years, by O. E. Zvyagintsev. RUSSIAN, per, Zhur Neorg Khim, Vol II, No 10, 1957, pp 2281-2303.

DSIR LLU RTS 1072

Introductory Remarks on Opening the Conference on Phase Diagrams of Metallic Systems, by I. P. Bardin, 4 pp. RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 554-556.

ATIC F-TS-9531/V

The Phase Diagram as an Expression of Interatomic Interaction, by N. V. Ageyev, 10 pp. RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 557-561.

(see above)

Scientific
Chemistry (Contd)

The Work by N. S. Kurnakov and His Pupils on
the Theory of Phase Diagrams and Their Signifi-
cance for Inorganic Chemistry, by V. I. Mikheyeva,
15 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 562-570.

ATIC F-TS-9531/

Discussion of Papers - I. B. Borovskiy, B. Ya.
Pines, A. K. Beskrovnyy, G. A. Efendiyev, D. L.
Agayeva, V. I. Mikheyeva, I. I. Kornilov, 14 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 601-606.

(see above)

Contribution to the Question of Calculating the
Melting Diagrams of Binary Systems, by D. S.
Kamenetskaya, 8 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 607-610.

(see above)

Approximate Thermodynamic Calculation of Elemen-
tary Equilibrium Diagrams of Ternary and More
Complex Alloys, by B. Ya. Pines, 29 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 611-629.

(see above)

Construction of Phase Diagrams of Multicomponent
Metallic Systems by the Method of Optimum Pro-
jections, by F. M. Ferel'man, 13 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 630-636.

(see above)

Questions of the General Theory of Equilibrium
Diagrams of Multicomponent Heterogeneous Alloys,
by L. S. Palatnik, A. I. Landau, 23 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 637-649.

(see above)

X-Ray Structural Analysis of Certain Systems
of Transition Metals, by Ye. Ye. Cherkashin,
et al, 11 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 650-653.

(see above)

Scientific
Chemistry (Contd)

Discussion of Papers, by Z. A. Matysina, A. Ya. Shinyayev, 9 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 654-658.

ATIC F-TS-9531/V

Study of Phase Diagram of the System Bi - Te, by N. Kh. Abrikosov, V. F. Bankina, 14 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 659-667.

(see above)

The Quasi-Binary Gross Section GaSb - InSb of the System Gallium - Indium - Antimony, by I. E. Gorshkov, N. A. Goryunova, 10 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 668-672.

(see above)

Study of the Binary Systems Ni_3Ti - Ni_3Ta ; Ni_3Ti - Ni_3Nb , by I. I. Kornilov, Ye. N. Pylayeva, 7 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 673-677.

(see above)

The Phase Diagram of the System Sb - Zn Under Nonequilibrium Conditions, by Ya. A. Ugay, 8 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 678-682.

(see above)

Discussion of Papers, by Ye. I. Gladyshevskiy, N. V. Ageyev, 4 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 683, 684.

(see above)

Study of Equilibrium Phase Diagram of the System Co - Cr - Ti, by B. G. Livshits, Ya. D. Khorin, 14 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 685-693.

(see above)

Study of Alloys of the Ternary System Nickel - Aluminum - Tungsten, by P. B. Budberg, 8 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 694-698.

(see above)

Scientific
Chemistry (Contd)

Study of the System Ni - Cr - NiAl, by I. I. Kornilov, R. S. Mints, 14 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 699-707.

ATIC F-TS-9531/V

Interaction of Titanium Carbide With a Six-Component Nickel Solid Solution, by N. I. Kornilov, L. I. Pryakhina, O. V. Ozhimkova, A. Ya. Snetkov, 14 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 708-716.

(see above)

Study of Metallic Compounds in a Nickel-Base Multicomponent Alloy, by R. B. Golubtsova, I. A. Mashkovich, 8 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 717-721.

(see above)

Discussion of Papers, by Yu. A. Bagaryatskiy, L. I. Topchyashvili, I. I. Kornilov, R. B. Golubtsova, 14 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 722-728.

(see above)

Study of the System Gold - Silver - Platinum, by O. A. Novikova, A. A. Rudnitskiy, 32 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 729-749.

(see above)

Study of the System Bi - Rh, by G. S. Zhdanov, V. N. Zhuravlev, R. N. Kuz'min, 12 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 750-755.

(see above)

Phase Diagrams of Alloys of Lanthanum With Cerium, and Lanthanum With Calcium, by E. M. Savitskiy, V. F. Terekhov, 12 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 756-762.

(see above)

Phase Diagrams on Properties of Alloys of Gallium and Thallium, by Ye. M. Savitskiy, V. V. Baron, M. A. Tylkina, 18 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, 1958, pp 763-775.

(see above)

Scientific
Chemistry (Contd)

Study of the Phase Diagrams of the Alloys
Titanium - Chromium, Titanium - Tungsten, and
Titanium - Chromium - Tungsten, Prepared by
the Method of Powder Metallurgy, by Yu. A.
Bagaryatskiy, G. I. Nosova, T. V. Tagunova,
13 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 777-785.

ATIC F-TS-9531/V

Study of Equilibrium Diagram of Titanium -
Chromium - Aluminum, by I. I. Kornilov, V. S.
Mikheyev, T. S. Chernova, 16 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 786-796.

(see above)

Methods of Studying Phase Diagrams of Certain
Magnesium-Base Systems, by M. S. Mirgalovskaya,
4 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 796-798.

(see above)

The Aluminum - Magnesium - Iron - Silicon Sys-
tem, by I. T. Gal'din, N. V. Dekukina, 24 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 799-814.

(see above)

Discussion of Papers, by T. V. Tagunova, M. V.
Chukhrov, Ye. M. Savitskiy, M. A. Tylkina, V. N.
Yeremenko, 44 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 815-839.

(see above)

Organization Committee of VIII Mendeleev Con-
gress on General and Applied Chemistry, 5 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3,
1958, pp 840, 841.

(see above)

Studies in the Field of Conjugated Systems.
Part 85. Condensation of Halodienes With
Acetylenedicarboxylic Ester, by V. S. Miklashev-
skaya, A. A. Petrov.
RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 5,
1958, pp 1125-1127.

ATS RJ-1661

Scientific
Chemistry (Contd)

A Study in the Field of Vapor-Phase Catalytic Hydration of Acetylene and Its Derivatives.

Part 2. Hydration of Phenylacetylene, t-Butylacetylene, Dimethylacetylene, Methyl ethylacetylene and Ethylvinylacetylene, by Yu. A. Gorin, L. P. Bogdanova.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 5, 1958, pp 1144-1150.

ATS RJ-1659

Synthesis of 1, 4-Diisopropylbenzene and Some of Its Derivatives, by S. V. Zavgorodniy, et al.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 5, 1958, pp 1279-1284.

ATS RJ-1663

Reaction of Ammonia and Amines With Oxides of the Acetylene and Vinylacetylene Series. A New Method of Preparing Pyrrole Homologs, by A. Ya. Perveyev, E. M. Kuznetsova.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 9, 1958, pp 2360-2371.

ATS RJ-1657

A Method of Introducing the Trihalomethyl Group Into Organic Compounds, by V. N. Yarovenko, A. S. Vasil'eva.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 9, 1958, pp 2502-2504.

ATS RJ-1652

Dehydrogenation Kinetics of Cyclohexane and Its Homologs on a Chromia Catalyst at Atmospheric Pressure, by G. N. Maslyanskiy, N. R. Bursyan.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2656-2662.

ATS RJ-1605

Investigation of the Structural Singularities and Chemical Transformations of Carbazole and Some of Its Derivatives, by S. I. Omelchenko, Z. V. Pushkareva.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2705-2710.

*ATIC MCL-254/III

New Reactions of α -Pyrones. Synthesis of Vinylogs of Esters of α -Keto Acids, by N. K. Kochetkov, L. I. Kudryashov.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 11, 1958, pp 3020-3023.

ATS RJ-1656

Scientific
Chemistry (Contd)

Catalytic Hydrogenation of Vinyl Ethylene Oxides.

I. Hydrogenation of Divinyl Oxide, by M. A. Aizikovich, et al.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 11, 1958, pp 3046-3051.

ATS RJ-1653

Catalytic Hydrogenation of Vinyl Ethylene Oxides.

II. Hydrogenation of Chloroprene Oxide, by M. A. Aizikovich, A. A. Petrov.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 11, 1958, pp 3051-3055.

ATS RJ-1654

Reaction of Aryl (Alkyl) Phosphinic Acids With Aldehydes and Ketones. XIX. Esters of α -Hydroxy-alkylphenylphosphinic Acids, by V. S. Abramov, M. I. Kashirskiy.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 11, 1958, pp 3059-3061.

ATS RJ-1648

The Problem of Aging of Some Plasticized Polyvinyl Chloride Compositions, by V. A. Voskresenskiy.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 7, 1958, pp 1118-1122.

ATS RJ-1638

The Influence of the Efficiency of Plasticizers on the Viscosity of Polyvinyl Chloride Compositions, by Sh. L. Lel'chuk, V. I. Sedlis.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 9, 1958, pp 1397-1402.

ATS RJ-1639

The Influence of Ferric Oxide on the Properties of Ground-Coat Enamel With and Without Boric Oxide, by G. I. Belyayev, N. F. Smakota.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 12, 1958, pp 1792-1799.

ATS RJ-1711

Role of the Phase Transformation NH_4NO_3 (IV)

NH_4NO_3 (III) in the Caking of Ammonium Nitrate, by B. V. Erofeyev, N. I. Mitskevich.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 12, 1958, pp 1805-1809.

ATS RJ-1703

Scientific
Chemistry (Contd)

New Polymeric Materials, Their Properties and
Fields of Practical Application, by M. M. Koton.
RUSSIAN, per, Zhur Prii Khim. Vol XXXII, No 1,
1959, pp 6-21.

ATS RJ-1692

Procedure for the Preparation of 4(5)-Nitroimida-
zole-Carboxylic Acid by L. P. Kulev, A. M.
Rozhkov.
RUSSIAN, Patent No 102,033, (15 Feb 1955).

ATS RJ-1707

Procedure for the Manufacture of Perchlorovinyl
Resin, by A. L. Englin, et al
RUSSIAN, Patent No 105,456, (20 Sep 1954).

ATS RJ-1708

Procedure for Removing Bases From the Aqueous
Alkaline Solutions of Polyethylene Resins, by
L. V. Skorkin, et al.
RUSSIAN, Patent No 105,505, (2 Aug 1956).

ATS RJ-1709

Chromatographic Separation of Mixtures of Nitro
Substances, by Viktor Ettel, Jan Pospisil,
Edenek Deyl, 14 pp.
CZECH, per, Chem Listy, Vol LII, No 4, 1958,
pp 623-630.

AEC Tr 3665

Calcium Orthophosphate, by N. Bjerrum.
DANISH, per, Det Kongelige Danske Videnska-
bernes Selskab, Matematisk-Fysiske Meddelelser,
Vol XXXI, No 7, 1958.

*AEC

Kinetics of the Synthesis of Methyl Esters From
Olefins, Carbon Monoxide, and Methanol, by R.
Ercoli, et al.
DUTCH, per, Chemie en Industrie, Vol XXXVII,
1955, pp 865-871.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 207

Synthesis of Carboxylic Acids by Reaction of
Unsaturated Compounds With Carbon Monoxide and
Water in Presence of Solvents, by R. Ercoli.
DUTCH, per, Chemie en Industrie, Vol XXXVII,
1955, pp 1029-1032.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 208

Treatment of the Polluted Water in Coal Wash-
eries, by E. LeClerc.
FRENCH, per, Annales des Mines de Belgique, Jun
1956, pp 102-108.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 455

**Scientific
Chemistry (Contd)**

Action of Iron Catalysts on a Mixture of Carbon Monoxide and Hydrogen, by E. Audibert, A. Raineau. FRENCH, per, Annales de l'Office National des Combustibles Liquides, No 3, 1928.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 34

Experimental Studies of the Explosive Wave and the Shock Wave. II. Detonation of Solid Explosives, by P. Laffitte. FRENCH, per, Annales de Physique, Vol IV, Nov/Dec 1925.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 45

Experimental Studies of the Explosive Wave and the Shock Wave. I. Explosive Wave in Detonating Gas Mixtures, by P. Laffitte. FRENCH, per, Annales de Physique, Vol IV, Series 10, Nov/Dec 1925, pp 537-594.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 44

Comparison Between the Temperatures of Explosion Calculated From Specific Heats and the Temperatures of Explosion Calculated From Explosive Pressures, by H. Muraour. FRENCH, per, Bulletin de la Societe Chimique de France, Vol XXXIX, Mar 1926, pp 389-396.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 146

Explosive Wave in Gas Mixtures, by P. Laffitte. FRENCH, per, Bulletin de la Societe' Chimique de France, Vol XLI, 1927, pp 721-745.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 43

Temperature of Deflagration of Smokeless Powders, by A. Michel-Levy, H. Muraour. FRENCH, per, Bulletin de la Societe' Chimique de France, Memoirs, Vol XLVIII, pp 1211-1213.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 145

Analysis of Powders and Explosives: Differentiation Between Trinitroglycerin and Dinitroglycol, by Marquayrol, E. Goutal. FRENCH, per, Bulletin de la Societe' Chimique de France, No 27, 1930, pp 443-448.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 143

Contribution to the Study of Trivalent Chromium, by N. Demassieux, J. Heyrovsky, 6 pp. FRENCH, per, J Chim Phys, Vol XXVI, 1929, pp 219-223.

AEC Tr 3659

Scientific
Chemistry (Contd)

Determination of Cyanamide and Dicyandiamide in Calcium Cyanamide, by M. Marquoyrol, P. Lorientte, L. Desvergues.
FRENCH, per, Memorial des Poudres, Vol XVIII, 1921, pp 96-100.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 32

Fireproofing and Fireproofing Agents, by A. Matagrín.
FRENCH, per, Revue de Chimie Industrielle, Vol XLIV, 1935, pp 74, 105, 126.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 156

Mechanism of the Ignition of Firedamp Mixtures by Firing of Explosives, by E. Audibert.
FRENCH, per, Revue de l'Industrie Minerale, 1 Jul 1936, pp 683-710.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 35

Kinetic Isotopic Effect and Their Uses in Investigating AZO Couplings, by H. Zollinger.
GERMAN, per, Angewandte Chem, Vol LXX, 1958, pp 284-210.

*AEC

Chemistry Gives Bread, Welfare, Beauty and Power, by Hauptmann Weitzmann.
GERMAN, per, Armee Rundschau, No 4, 1959, p 154.

*ACSI, H-4112

Nitrous Gases: Nitric Oxide, Nitrogen Dioxide Nitrous Acid and Nitric Acid. Studies on the Technical and Hygienic Action of Certain Gases and Vapors on Men (XXXI), by K. B. Lehmann, Hasegawa.
GERMAN, per, Archiv fuer Hygiene und Bakteriologie, Vol LXXVII, 1913, pp 311-363.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 14

Problem of the Electromotive Combustion of Fuels, by E. Baur.
GERMAN, per, Brennstoff-Chemie, Vol XX, No 22, 15 Nov 1939, pp 385-387.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 41

Coking Time in Coke Ovens, by P. Veit.
GERMAN, per, Brennstoff-Chemie, Vol XXXI, 1950, pp 14-21.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 140

Scientific
Chemistry (Contd)

The Physical Testing of Coke, by W. Mantel.
GERMAN, per, Brennstoff-Chemie, Vol XXXI, 1950,
pp 161-172.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 231

Sulphur in Coal and Coal Pyrolysis, by W. Fuchs.
GERMAN, per, Brennstoff-Chemie, Vol XXXII, 1951,
pp 274-276.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 236

The Indirect Titrimetric Determination of Sul-
phates and Its Application in Fuel Analysis,
by W. Radmacher, P. Mohrhauser.
GERMAN, per, Brennstoff-Chemie, Vol XXXIV,
1953, pp 33-37.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 244

The Determination of Chlorine in Solid Fuels
by Combustion in a Stream of Oxygen, by A.
Seuthe.
GERMAN, per, Brennstoff-Chemie, Vol XXXIV, 1953,
pp 241, 242.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 243

Use of Capsules in the Determination of the
Calorific Value of Solid Fuels, by K. E.
Stumpf.
GERMAN, per, Brennstoff-Chemie, Vol XXXIV, 1953,
p 341.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 242

The Oxo Synthesis, Its Kinetics and Related
Reactions, by G. Natta.
GERMAN, per, Brennstoff-Chemie, Vol XXXVI,
1955, pp 176-181.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 211

Contribution to the Determination of the Total
Sulphur in Solid Fuels, by W. Schuhknecht, Z.
Kunz.
GERMAN, per, Brennstoff-Chemie, Vol XXXVII,
1956, pp 78-84.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 261

An Orienting Constituent-Analysis of Brown-Coal
Tar Through Chromatographic Dissection, by E.
Leibwitz.
GERMAN, per, Brennstoff-Chemie, Vol XXXIX, 1958,
pp 87-90.

Dept of Int
US Bur of Mines
Lignite Exper Sta
Grand Forks, N. Dakota

Scientific
Chemistry (Contd)

Thermochromatography in the Gas Phase: A New Method for the Separation and Determination of Mixtures, by Helmut Kogler, 13 pp.

GERMAN, per, Die Chemische Technik, Vol IX, 1957, pp 400-403. 646542

OTIA 3428

Potentiometric Determination of High Molecular Fatty Acids and Fatty-Acid Mixtures, by C. Sass. GERMAN, per, Fette Seifen Anstrichmittel, Vol LXI, No 2, 1959, pp 93-95.

*AEC

Tests on the Deposition of Flue Dust, by E. Kilb. GERMAN, per, Forschung auf dem Gebiete des Ingenieurwesens, Section A, Vol V, Jan/Feb 1934, pp 6-13.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 142

Laws Governing Deposition of Flue Dust, by E. Kilb.

GERMAN, per, Forschung auf dem Gebiete des Ingenieurwesens, Section A, Vol V, Mar/Apr 1934, pp 89-94.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 141

Dust and Fumes in the Electron Microscope, by H. Friess, H. G. Muller.

GERMAN, per, Gasmasken, Vol XI, 1939, pp 1-9.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 28

Determination of the Nitrogen Content of Solid Fuels, by W. Radmacher, W. Lange.

GERMAN, per, Gluckauf, Vol LXXXVII, 1951, pp 739-746.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 237

Contribution to the Knowledge of the Moisture Content of Large Coke, by W. Tietze.

GERMAN, per, Gluckauf, Vol XCI, 1955, pp 1094-1099.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 257

The Formation and Decomposition of Hexamethylene Tetramine, by Emil Baur, Werner Ruetschi, 17 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XXXIV, 1941, pp 754-767. 646538

OTIA 3300

Scientific
Chemistry (Contd)

Non-Distillative Analysis of Brown-Coal Tars,
by E. Gundermann.
GERMAN, per, Journal fuer Praktische Chem, No 2,
1955, pp 340-348.

Dept of Int
US Bur of Mines
Lignite Exper Sta
Grand Forks, N. Dakota

Quantitative Organic Analysis: Part 13. A
Rapid Method for C and H Microdetermination in
Organic Substances, by M. Vechera.
GERMAN, per, Mikrochim Acta, No 1, 1958, pp 9-27.

RAE 752

The Present State of Quartz Crystal Techniques,
by H. Awender.
GERMAN, per, Nachrichtentech Z, Vol XI, No 5,
1958.

RAE 792

On the Decomposition of Explosives at Low
Temperatures, by S. Rejinsky.
GERMAN, per, Physik Z der Sowjetunion, Vol XII,
1932, pp 640-699.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 155

The Chemical Surface Treatment of Steel Strip
to Give a Better Protection Against Corrosion,
Greater Adhesive Strength of Coatings and For-
mation of Insulating Layers, by W. Rausch.
GERMAN, per, Stahl u Eisen, 9 Mar 1959, pp 349-356.

British Iron and
Steel Ind 1300

Decomposition of Explosives, by O. Poppenburg.
GERMAN, per, Z fuer Angewandte Chem, Feb 1923.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 152

Concerning the Reduction of Silica, by H.
Wartenberg.
GERMAN, per, Z fuer Anorganische Chem, Vol LXXIX,
1912, pp 71-76.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 33

Heat Content and Lattice Structure of Active
Magnesium Oxide, by R. Fricke, J. Luke.
GERMAN, per, Z fuer Elektrochem, Vol XLI, No 3,
1935, pp 174-183.

*AEC

Metallic Salts of Trinitrophenols and Trinitro-
cresols, by H. Kast.
GERMAN, per, Z fuer das Gesamte Schiess - und
Sprengstoffwesen, Vol VI, 1911, pp 7-9, 31-34,
67-70.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 144

Scientific
Chemistry (Contd)

Determination of the Compression Value of Explosives, by K. F. Meyer.

GERMAN, per, Z fuer das Gesamte Schiess - und Sprengstoffwesen, 1929, p 6.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 151

Studies on the Tantalum - Nitrogen System, by Erich Gebhardt, Hans-Dieter Seghezzi, Wolfgang Durrschnabel, 12 pp.

GERMAN, per, Z Metallkunde, Vol XLIX, No 11, 1958, pp 577-583.

AEC Tr 3678

The Separation Tube. V. Preparation of O_2 , by K. Clusius, G. Dickel, 20 pp.

GERMAN, per, Z-Physik Chem, Vol CXCI, 1944, Leipzig, pp 274-286.

AEC Tr 3692

Raman Spectra of Lithium, Sodium, Potassium and Silver Nitrate Melts, by W. Bues, 31 pp.

GERMAN, per, Z Physik Chem, Vol X, 1957, pp 1-23.

AEC Tr 3707

The Hardening of o-Cresol-Formaldehyde Resins, by K. Schwamer.

HUNGARIAN, per, Magyar Kem Lapja, Vol XIII, 1958, pp 68, 69.

ATS HJ-1635

Isomorphism Between Oxide of Tetra Valent Metal in the System: CeO_2 - TiO_2 ; CeO_2 - ZrO_2 ; CeO_2 - HfO_2 , by L. Passerini.

ITALIAN, per, Gazz Chim Ital, Vol LX, 1930, pp 762-767.

AEC

Direct Conversion of the Chemical Energy (N. P. 311) of Coal Into Electrical Energy, by C. Caputo.

ITALIAN, per, Ingenieri, Vol XXIX, Jul 1955, pp 763-775.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 524

Preparation and Physical Properties of Dinitroglycol II, by A. Moreschi.

ITALIAN, per, Rendiconti della Reale Accademia dei Lincei, Vol XXVIII, 1919, pp 428-431.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 31

Scientific
Chemistry (Contd)

Physical Properties of Fluorocarbon Resins.
Part 1, by A. Nishioka.
JAPANESE, per, J Appl Phys, Vol XXV, No 10,
1956, pp 389-395.

ATS JJ-1719

Physical Properties of Fluorocarbon Resins.
Part 2, by A. Nishioka.
JAPANESE, per, J Appl Phys, Vol XXV, No 12,
1956, pp 475-479.

ATS JJ-1720

The Decomposition Reaction of Hexamine and Its
Derivatives XI: Decomposition of Hexamethylene-
Tetramine in Buffer Solutions, by H. Tada, 7 pp.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVII,
1954, pp 37-40. 646541

OTIA 3297

Decomposition Reactions of Hexamine and Its
Derivatives XIII: Reaction Velocity Constant
of the Decomposition Reaction of Hexamethylene
Tetramine and the Neutral Salt Effect, by H.
Tada, 5 pp.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVII,
1954, pp 369-370. 646539

OTIA 3285

The Decomposition of Bicarbonates. Part 2.
Rate of Thermal Decomposition of Solid Sodium
Bicarbonate, by R. Tosuchiya.
JAPANESE, per, Nippon Kagaku Zasshi, Sect 74,
No 1, 1953, pp 16-18.

ATS JJ-1682

The Chemical Action of a High-Frequency Electric
Discharge. Part 6. Formation of Hydrogen Cya-
nide by the Reaction of Methane, Nitrogen, and
Ammonia, by S. Miyazaki, S. Takahashi.
JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX,
No 1, 1958, pp 17-21.

ATS JJ-1621

The Chemical Action of a High-Frequency Electric
Discharge, Part 7. Reaction Between Methane and
Nitrogen Induced by a Nonpolar Discharge, by S.
Miyazaki, S. Takahashi.
JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX,
No 1, 1958, pp 21-26.

ATS JJ-1622

Scientific
Chemistry (Contd)

Chemical Reactions in a High-Frequency Electric Discharge, Part 8. Formation of Hydrogen Cyanide From Methane and Ammonia, by S. Miyazaki, S. Takahashi.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX, No 2, 1958, pp 135-137.

ATS JJ-1623

Chemical Reactions in a High-Frequency Electric Discharge, Part 9. Formation of Hydrogen Cyanide by the Reaction of Methane, Nitrogen and Hydrogen, by S. Miyazaki, S. Takahashi.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX, No 2, 1958, pp 138-142.

ATS JJ-1624

The Metallographic Effect of Oxygen on Zirconium, by M. Nakamura, S. Suzuki.

JAPANESE, per, Repts Govt Ind Res Inst Nagoya, Vol VII, No 9, 1958, pp 652-657.

ATS JJ-1751

Reaction Rate of Ammonia Synthesis. Dependence Upon Reaction Pressure and Hydrogen-Nitrogen Ratio, by H. Uchida, M. Kuraishi.

JAPANESE, per, Repts Govt Ind Res Inst Tokyo, Vol L, No 6, 1955, pp 155-159.

ATS JJ-1699

Studies on the Catalysts for Ammonia Synthesis.

Part 11. Activated Adsorption of Nitrogen, Hydrogen and Carbon Monoxide on Catalysts With Added Al_2O_3 , With Added Al_2O_3 and K_2O , and With Added Al_2O_3 , SiO_2 and K_2O , by H. Uchida, M. Kurita.

JAPANESE, per, Repts Govt Ind Res Inst Tokyo, Vol LI, No 11, 1956, pp 397-405.

ATS JJ-1697

Studies on the Catalysts for Ammonia Synthesis.

Part 12. Effect of Quenching and Annealing in the Manufacture of Catalysts on Catalytic Activity and Potash Distribution, by H. Uchida, N. Todo.

JAPANESE, per, Repts Govt Ind Res Inst Tokyo, Vol LI, No 11, 1956, pp 406-414.

ATS JJ-1698

New Polish Tentative Standard for the Sampling of Coal for Chemical Analysis, by W. Budryk.
POLISH, per, Prace Badawcze Glownego Inst Gornictwa Komunikat, No 67, 1950.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 230

Scientific
Chemistry (Contd)

The Influence of the Moisture Content in the Coal Charged on the Coking Process, by J. Nadziakiewicz.

POLISH, per, Przegląd Gorniczy, Vol VII, No 38, 1951, pp 160-168.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts, Pa. Tr 232

The Sesquicarbonate of Sodium. II. The System $\text{Na}_2\text{CO}_3\text{-NaHCO}_3\text{-H}_2\text{O}$, by E. Fischinger, J. Tomaszewski.

POLISH, per, Przemysł Chem, Vol XXXVII, 1958, pp 411-415.

ATS PJ-1685

Structure and Catalytic Properties of Cobalt Hydroxides, by A. Krause, W. Wojciechowska.

POLISH, per, Roczn Chem, Vol XXXI, 1957, pp 1137-1144.

RAE 797

On Some Processes in an Oxide-Coated Thermocathode During Prolonged Operation, by Ya. P. Zingerman.

UKRAINIAN, per, Ukrain Fiz Zhur, No 2, 1957, pp 183-188.

DSIR LLU RTS 1028

On the Structure of Molten Au-Sn Compounds, by A. F. Skyshevskiy.

UKRAINIAN, per, Ukrain Fiz Zhur, Vol XI, No 4, 1957, pp 363-368.

DSIR LLU M.371

An Investigation of the Kinetics and Mechanism of Oxidation of Methyl Alcohol in the Presence of Platinum, by S. M. Loos, M. V. Polyakov.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXIV, No 3, 1958, pp 305-311.

ATS RJ-1673

An Investigation of the Transformation of Methanol Into Formaldehyde in the Presence of a Silver Contact Catalyst, by T. P. Kornienko, M. V. Polyakov.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXIV, No 3, 1958, pp 312-319.

ATS RJ-1693

Scientific
Electricity

Conductors for Aircraft Automobiles and Tractors,
by D. S. Bachelis.

RUSSIAN, bk, Elektricheskiye Kabeli Provoda i
Shnury, (Chap XII), 1958, pp 226-240.

*ATIC MCL-276/V

On the Motion of a Charged Particle in Rapidly
Alternating Electromagnetic Fields, by A. A.
Vedenov, L. I. Rudakov.

RUSSIAN, per, Ak Nauk SSSR, Fiz Plaz, Vol IV,
1958, pp 42-46.

DSIR LLU M.359

Scientific Bases for Establishing the Efficiency
of a Thermal Power Station, by I. N. Butakov.

RUSSIAN, per, Elek Stant, Vol XXVI, No 12,
1955, pp 25-30.

DSIR LLU M.421

Effect of Surge Currents on the Mechanical
Properties of Concrete for Overhead Transmission
Lines Supports, by A. V. Korsuntsev, S. D.
Merkhalev.

RUSSIAN, per, Elek Stant, Vol XXIX, No 8, 1958,
pp 73-76.

DSIR LLU M.386

Determination of the Flashover Voltage Along
Insulator Columns and String, by A. M. Zalesskiy.
RUSSIAN, per, Elektrichestvo, No 8, 1958,
pp 64-68.

DSIR LLU M.372

An Experimental Turbogenerator With Internal
Hydrogen Cooling of the Stator and Rotor Windings
at 3 Atmospheres (Gauge), by L. Ya. Stanislavskiy.
RUSSIAN, per, Elektrichestvo, 1958, No 9,
pp 30-34.

DSIR LLU M.355

New Pressed Connectors, by Ya. Yakobson.
RUSSIAN, per, Gosenergoizdat, Moscow, 1957,
pp 52-60.

DSIR LLU M.368

The Effect of Moisture on Dielectric Losses in
Liquid Dielectrics, by R. A. Lipshtein, E. N.
Shtern.

RUSSIAN, per, Khim i Tekh Topliva, No 9, 1958,
pp 29-34.

DSIR LLU M.346

Scientific
Electricity (Contd)

Determining Electric Parameters of AC Wires for Aircraft, by M. V. Gutovskiy, et al.
RUSSIAN, per, Priborostroyeniye, No 4, 1959,
pp 20, 21.

*ATIC MCL-282/III

An Investigation of Velocity Thermo-Couple
as a Correcting Link in a System for the Auto-
matic Control of Steam Superheat Temperature, by
Yu. I. Sitintskiy.
RUSSIAN, per, Teploenergetika, No 9, 1958,
pp 30-33.

DSIR LLU RTS 1048

Electronics
Electronics

Arithmetic Units of Digital Computers,
by N. A. Kharin.

RUSSIAN, bk, Arifmetika i Kige Ustroystva Elektron-
nykh Tsifrovyykh Mashin, No. 3, 1959, pp. 1-100.

*ATIC MCL-285/V

Contactless Magnetic Devices for a System of
Control, by L. I. Gumenushchik, M. L. Avrukh, I. A.
Vissonova, 10 pp.

RUSSIAN, bk, Avtomaticheskoye Upravleniye i
Vychislitel'naya Tekhnika, Moscow, 1958, pp 136-145

JPRS L-871-N

Radar Interference and Countermeasures, by A. P.
Sivers, N. A. Suslov, 6 pp.
RUSSIAN, bk, Osnovy Radiolokatsii, Moscow, 1956,
pp 179-184.

AF 1255780

Radar Methods of Selecting Moving Targets, by
P. A. Bakulev.

RUSSIAN, bk, Radiolokatsionnyye Methody Selektzii
Dvizhushchikhya Tseley, 1958, pp 1-100.

*ATIC MCL 269

On the First International Congress on Automatic
Control To Be Held in Moscow.

RUSSIAN, per, Avtomatika, No 1, 1959, pp 94.

*ATIC MCL-274/III

Systematic Survey of Angle or Linear Displacements
Digitizers, by A. D. Talantsev.

RUSSIAN, per, Avtomatika i Telemekhanika, No 3,
1958, pp 361-375.

*ATIC MCL-287/V

Utilization of the Weight on Drivers of an
Electric Train When Starting or Stopping Traction
Engines, by P. B. Petrov.

RUSSIAN, per, Elektrichestvo, No 1, 1957, pp 30-34.

ATS RJ-1305

On the Theory of Coding Telegrams With a Uniform
Correcting Code, by V. I. Siforov, L. F. Borodin.

RUSSIAN, per, Elektrosvyaz, No 3, 1959, pp 55-61.

*ATIC MCL-264/V

Integration of Equations of the Motion of an
Asymmetrical Gyroscope, by P. G. Krotova, 17 pp.

RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk SSSR,
No 7, 1958, pp 75-86.

ATIC F-TS-9813/III

Electronics

Electrical Device for Measuring Viscosity, AV 3-53,
by L. N. Borisenko, by I. A. Ivanov.
RUSSIAN, per, Priborostroyeniye, No 4, 1958,
pp 17, 18.

*525th MI Gp, H-4310

Plastic Scintillators Containing Oxazoles as
Filters, by M. N. Medvedev, et al.
RUSSIAN, per, Pribory i Tekhn Eksper, No 1, 1957,
pp 55-57.

ATS RJ-898

Pulse Amplitude Analyzer, by L. A. Matalin, et al,
RUSSIAN, per, Pribory i Tekhn Eksper, No 1, 1957,
pp 64-71.

ATS RJ-900

Apparatus for the Study of Infrared Absorption
Spectra at Various Temperatures, by V. N. Nikitin,
RUSSIAN, per, Pribory i Tekhn Eksper, No 1, 1957,
pp 116.

ATS RJ-899

Electronics of Guided Missiles, by N. Dmitriyev.
RUSSIAN, per, Radio, No 3, 1959, pp 27-31.

*ATIC MCL-289/V

Approximate Expression for Detection Probability
of a Signal With Unknown Phase at Optimum Reception,
by V. I. Burnimovich.
RUSSIAN, per, Radiotekhnika i Elektronika, Vol III, No 4,
1958, pp 552-554.

*525th MI Gp, H-4311

On the Theory of Tapered Waveguides, by V. L.
Pokrovskiy, F. R. Ulinich, S. K. Savvinykh,
(NY-2822).
RUSSIAN, per, Radiotekhnika i Elektronika, Vol IV, No 2,
Moscow, 1959, pp 161-171.

*JPRS

Propagation of Slow Electromagnetic Waves in
Loaded Bent Wave Guides, by A. N. Didenko,
(NY-2822).
RUSSIAN, per, Radiotekhnika i Elektronika, Vol IV, No 2,
Moscow, 1959, pp 172-180.

*JPRS

Attenuation of Electromagnetic Waves Propagating
Along a Wire Helix Line, by S. Kh. Kogan, (NY-2822).
RUSSIAN, per, Radiotekhnika i Elektronika, Vol IV, No 2,
Moscow, 1959, pp 181-183.

*JPRS

Scientific
Electronics (Continued)

Experimental Investigation of the Interaction of
Single-Wire Transmission Lines, by V. V. Tyazhlov.
RUSSIAN, per, Radioelektronika, No 4, 1959,
pp 592-598.

*ATIC MCL-255/III

Machines Operated by Thought, by M. Breydo.
RUSSIAN, per, Tekhnika Molodezhi, No 4, 1958,
pp 3, 4.

*ATIC MCL-275/III

Characteristics of Tesla Tubes; Miniature
Vibrators.

CZECH, per, Udelovaci Technika, No 2, Jan 1958,
pp 1-6, 61, 62.

*ACSI, H-4116

Transistors and Oscillators.

CZECH, per, Slaboproudny Obzor, No 3, 1958,
pp 128-171.

*ACSI, H-4115

From the Altimeter to the AM-FM TV-Sweepgenerator;
Possibilities of Use of the FM-Magnet From the
Altimeter AN-APNI; Exchange Toll Transmitter.
DUTCH, per, Electron, Aug 1955, pp 224-225, 231-233,

*525th MI Gp, H-4109

A. IV.3 Research and Tests; B. II.1 Telephone,
Telegraph, Radio.

FRENCH, rpt, PTT Annuaire 1956, General Administra-
tion of PTT, Berne, 1957, Encl 1 to ARMA Switzerland
Rpt R-731-57.

*ACSI, H-3779

"Decca" Hyperbolic Navigation Radar, Part I.
FRENCH, per, Air Techniques, No 2, 1957, pp 26-34.

*ACSI, H-4051

"Decca" Hyperbolic Navigation Radar, Part II.
FRENCH, per, Air Techniques, No 2, 1958, pp 31-36.

*ACSI, H-4052

"Pentaconta" Automatic Telephone System.

FRENCH, per, Bulletin de la Societe Francaise
des Electriciens, No 61, Sep 1957, pp 561-573.

*525th MI Gp, H-4122

Section of Regulation Transmission.

FRENCH, np, Kepi Blanc, No 137, Sep 1958, pp 16-19.

*525th MI Gp, H-4121

Scientific
Electronics (Contd)

Electrostatics and Electronics - The Electronic Control of Electrostatic Generators, by N. Felice. FRENCH, per, L'onde Electrique, Jan 1957, pp 7-27.

*ATIC MCL-268/V

Operation Mont-Cenis; The Third Eye of the Television Industry; How to Supprimer the Shadows of TV; Information; Visits. FRENCH, per, Telonde, No 4, 1958, pp 2-11, 13-27, 30, 31.

*525th MI Gp, H-4120

Computers. GERMAN, rpt, Elektronisches Rechnen, Deutsche Forschungsgemeinschaft, No 2, Wiesbaden, 1958, pp 11-34.

*ATIC MCL-286/V

Electronic Computing in Research. GERMAN, rpt, Elektronisches Rechnen, Deutsche Forschungsgemeinschaft, No 3, Oct 1958, pp 1-10.

*ATIC MCL-286/V

Instruction in Electronic Computing at German Universities. GERMAN, rpt, Elektronisches Rechnen, Deutsche Forschungsgemeinschaft, No 3, Oct 1958, 5 pp.

*ATIC MCL-286/V

Investigations of Fluctuations in Bearings Readings on Medium-Wave Radio Range Beacons, by H. J. Zetzmann, R. A. Wendlinger, H. Zauscher, 3 pp. GERMAN, rpt, Untersuchungen Uber Sprunghafte Peilungen an Mittelwellen-Vierkursfunkfeuern, No 38, Aug 1957, 58 pp.

ATIC F-TS-9902/I

Amplifier Arrangement for Weak Alternating Currents, e.g., Telephone Currents, by Johannes Nienhold, 4 pp GERMAN, Patent No 307,153.

Dept of Commerce
Patent Office
Sci Lib

Modulation Meter, 8 pp. GERMAN, Patent No 724,028, Siemens & Halske AG.

Dept of Commerce
Patent Office
Sci Lib

The Rochat Electric Initiator, by Jean Rochat, 6 pp. SWISS, Patent No 307,005. 646618

Picatinny Arsenal 27
OTIA 3649

Scientific
Engineering

Completion of Elimination of Petroleum From
Effluents by Filtration Through Wood Shavings,
by N. D. Grisev, G. Spakov.
RUSSIAN.

DSIR LLU M.375

Industrial Installations for Electro-Chemical
Desalting of Water, by O. S. Lenchevskiy.
RUSSIAN.

DSIR LLU M.374

Laying Heating Pipes Without Conduits in a
Sand-Cement Filling, by B. V. Lopatin, A. A.
Lyamin.
RUSSIAN.

DSIR LLU M.361

Purification of Industrial Effluents Is the
Principal Measure for the Protection of Reservoirs
From Pollution, by A. I. Zhukov, I. L. Mongait.
RUSSIAN.

DSIR LLU M.362

On an Attempt to Perfect the Methods and Measuring
Apparatus for Research on Internal Combustion
Engines, by L. Yu. Volchok.
RUSSIAN, rpt, Proceedings of the Conference on
Piston Engines, Ak Nauk SSSR, Moscow, 1956.

DSIR LLU M.329

On the Processes of Ignition and Combustion in
Compression Ignition Engines, by Yu. B. Sviridov.
RUSSIAN, rpt, Proceedings of the Conference on
Piston Engines, Ak Nauk SSSR, Moscow, 1956.

DSIR LLU M.328

Research on Telemechanics, by Ya. L. Bykhovskiy,
(NY-2772).
RUSSIAN, pamphlet, Telemekhanika i Yeye Primeneniye,
1956, pp 5-18, 43-48, 66-71.

*JPRS

Spherical Barium-Titanate Receivers for Measuring
the Pressure of Shock Waves in the Air, by V. P.
Makushkin, A. V. Mishuyev, 5 pp.
RUSSIAN, per, Akust Zhur, Vol V, No 1, 1959,
pp 64-69.

DSI 524
(British)

Characteristics of the SA-100 Magnetic Amplifier with a Frequency of 10,000 Hz, 5 pp.
 RUSSIAN, per, Avtomat i Telemekh, Vol. XVIII, Oct 1957, pp 927-933.

Automation Express
 Vol I, No 1
 Internat'l Phys Index

New Synthesis Principles for Telemetering Systems With Pulse Time and Pulse Width Modulation, by V. A. Il'in, A. I. Novikov, 6 pp.
 RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 8, 1958, pp 757-761.

Automation Express
 Vol I, No 4
 Internat'l Phys Index

Coders and Decoders for Pulse-Code Telemetering Systems, by Ya. A. Kupershmids, 13 pp.
 RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 9, 1958, pp 879-891.

Automation Express
 Vol I, No 5
 Internat'l Phys Index

Efficiency of Using the Frequency Band in Telemetering, by R. R. Vasilyev, 4 pp.
 RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 11, 1958, pp 1066-1069.

Automation Express
 Vol I, No 6
 Internat'l Phys Index

An Operational Amplifier With a Differential Input, by V. B. Smolov, 5 pp.
 RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 12, 1958, pp 1185-1189.

Automation Express
 Vol I, No 6
 Internat'l Phys Index

Bibliography of Soviet and Translated Literature on the Theory of Relay Devices (Appearing During the Year 1957), by G. Moskatov, 5 pp.
 RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 12, 1958, pp 1150-1152.

Automation Express
 Vol I, No 7
 Internat'l Phys Index

On One Particular Family of Classes of Functions in the Algebra of Logic and Their Realization in a Class of Series-Parallel Networks, by B. I. Finikov, 3 pp.
 RUSSIAN, per, Dok Ak. Nauk SSSR, Vol CXV, No 2, 1957, pp 247-248.

Automation Express
 Vol I, No 1
 Internat'l Phys Index

On Combinations and Subdivisions of Non-Primitive Networks, by M. L. Tsutlin, 6 pp.
 RUSSIAN, per, Dok Ak. Nauk SSSR, Vol CXVIII, No 3, 1958, pp 488-491.

Automation Express
 Vol I, No 2
 Internat'l Phys Index

Scientific
Engineering

On the Synthesis of Control Networks, by O. B. Lupanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 23-26.

Automation Express
Vol I, No 3
Internat'l Phys Index

Extrapolation of Random Vector Processes and the Amount of Information Contained in a Single Vector Stationary Process Relative to Another One Associated With It in a Stationary Manner, by M. S. Pinsker, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1, 1958, pp 49-51.

Automation Express
Vol I, No 4
Internat'l Phys Index

On Operator Algorithms, by A. P. Ershov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 6, 1958, pp 967-970.

Automation Express
Vol I, No 5
Internat'l Phys Index

On Algorithm Problems in Effectively-Complete Classes of Groups, by F. I. Adyan, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 1, 1958, pp 13-16.

Automation Express
Vol I, No 6
Internat'l Phys Index

On Contact Networks for Monotonic Functions, by N. A. Karpova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 1, 1958, pp 25-27.

Automation Express
Vol I, No 6
Internat'l Phys Index

On the General Theory of Optimal Processes, by R. V. Gamkrelidze, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 2, 1958, pp 223-226.

Automation Express
Vol I, No 7
Internat'l Phys Index

The Realization of Networks for Discrete Correctors, by M. A. Gavrilov, V. M. Ostyanu, V. N. Rodin, B. L. Timofeyev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6, 1958, pp 1025-1028.

Automation Express
Vol I, No 8
Internat'l Phys Index

On Algorithms and Programming for Playing at Dominoes, by Ya. A. Pervin, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 1, 1959, pp 31-33.

Automation Express
Vol I, No 8
Internat'l Phys Index

Scientific
Engineering (Contd.)

On Eliminating the Effect of Lag on the Dynamics of Nonlinear Sampled-Data Feedback Systems, by Ya. Z. Tsypkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 4, 1959, pp 312-314.

Automation Express
Vol I, No 8
Internat'l Phys Index

Some Conclusions From the Practical Operation of the DPE-400 Traction Motors, by V. S. Makarevich, E. S. Pavlovich.

RUSSIAN, per, Elek Teplovoz Tyaga, No 3, 1958, pp 9, 10.

DSIR LLU M.357

A Simplified Method for Calculating the Temperature Rise in Electric Locomotive Traction Motors, by E. N. Gubenko.

RUSSIAN, per, Elek Teplovoz Tyaga, No 3, 1958, pp 35, 36.

DSIR LLU M.356

Adjusting the Commutation of the DK-103 Traction Motor, by V. L. Dunenkov.

RUSSIAN, per, Elek Teplovoz Tyaga, No 4, 1958, pp 20-22.

DSIR LLU M.358

The Transmission of Electrical Signals Using An Optimum Shannon-Fano Code, by D. A. Novik, 6 pp.

RUSSIAN, per, Elektrosviaz', No 7, 1958, pp 3-5.

Automation Express
Vol I, No 3
Internat'l Phys Index

Analysis of a Certain Scheme for Receiving Binary Signals, by K. A. Meshkovskiy, 7 pp.

RUSSIAN, per, Elektrosviaz', No 12, 1958, pp 3-9.

Automation Express
Vol I, No 6
Internat'l Phys Index

Investigation of the Statistical Structure of Images by the Method of Subdividing the Field of Events, by V. G. Froluhkin, 7 pp.

RUSSIAN, per, Elektrosviaz', No 12, 1958, pp 43-48.

Automation Express
Vol I, No 6
Internat'l Phys Index

On the Experimental Determination of the Probability for Correct Reception of a Signal "In the Large," by B. M. Pushnoi, 5 pp.

RUSSIAN, per, Elektrosviaz', No 1, 1959, pp 77-79.

Automation Express
Vol I, No 8
Internat'l Phys Index

Selected
Engineering

Design and Analysis of Logic Networks by
Logic and Algebraic Methods, by
Ya. G. Kobrinskii, 10 pp.
RUSSIAN, per, Elektronika, No 3, 1959, pp 73-81.

Stability of a Cylindrical Shell With Transverse
Stiffening Under External Uniform Pressure, by
N. A. Alfuter (Alfuzov), 13 pp.
RUSSIAN, per, Inzhenering Sbornik, Vol XXIII,
1956, pp 36-46. 9040643

Electronic Divider-Converter With Digital Outputs,
by V. B. Smolov, 6 pp.
RUSSIAN, per, Izmeritel'naya Tekhnika, No 6,
Nov/Dec 1958, pp 57-69.

An Approximate Method For the Calculation of the
Dimensions of Cracks Formed in Hydraulic Fracturing
of a Stratum, by U. P. Galitsov.
RUSSIAN, per, In Akkumulyatsiya Gidravlicheskoy Tekhniki,
No 3, 1957, pp 133-138.

Investigation of the Mode in an Auto-
matic Control System, by A. Starikova, 6 pp.
RUSSIAN, per, In Akkumulyatsiya Gidravlicheskoy Tekhniki,
No 12, 1956, pp 33-38.

The Basic Principles of Frequency Control Applied
to AC Electric Drive Using a Single-Armature
Converter, by V. S. Kuznetsov, A. A. Yanshin,
11 pp.
RUSSIAN, per, In Akkumulyatsiya Gidravlicheskoy Tekhniki,
Energetika i Avtomatika, No 1, 1959, pp 11-19.

On Algorithms for Processing Information, by
A. A. Lyapunov, 4 pp.
RUSSIAN, per, In Vysokaya Tekhnika i Zavedeniya
Radiofiziki, No 1, 1959, pp 11-139.

Motor Vehicle Tires Made of Synthetic Rubber and
Ways of Increasing Their Durability: The Problem
of Wear Resistance of Rubber and Methods for
Improvement, Evaluation of Structures and Their
Change in Vulcanization, Thermomechanical Proc-
essing and Vulcanization Fatigue; Present
Technology and Prospects of Tire Production.
RUSSIAN, per, Khimiya i Prom, No 1, 1959,
pp 15-26, 35-42, 55-62. 9040644

Automation Express
Vol I, No 8
Internat'l Phys Index

ACSIL Tr No 1026

Automation Express
Vol I, No 7
Internat'l Phys Index

ATS RJ-944

Automation Express
Vol I, No 8
Internat'l Phys Index

Automation Express
Vol I, No 8
Internat'l Phys Index

Automation Express
Vol I, No 4
Internat'l Phys Index

*ACSI, H-4021

Scientific
Engineering (Contd)

Investigation of the Reasons for Freezing of Moisture in the Capillary Tube and Filter Clogging in Domestic Electric Refrigerators, by G. Yaganov.

RUSSIAN, per, Kholod Tekh, No 1, 1958, pp 53-56.

DSIR LLU M.353

Standardization of Heating Practice and Control of a Coke Oven Battery, by G. V. Mosyakov.

RUSSIAN, per, Koks i Khim, No 7, 1958, pp 26-29.

*British Iron and
Steel Ind 1363

Investigation of the Accuracy of Coupled Control and Tracking Systems With Stationary Random Inputs, by E. I. Baranchuk, 5 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Elektromekh i Avtomatika, No 1, 1958, pp 165-170.

Automation Express
Vol I, No 5
Internat'l Phys Index

Synthesis of Automatic Control Systems With a Sign-Changing Input for the Integrating Corrective Element, by E. K. Shigin, 7 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Mash i Prib, No 1, 1958, pp 193-199.

Automation Express
Vol I, No 8
Internat'l Phys Index

Quantitative Relationship for Coincidence of Pulses, by N. M. Sedyakin, 5 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Radiotekh i Elektron, No 1, 1958, pp 90-95.

Automation Express
Vol I, No 5
Internat'l Phys Index

On a Method for Computing the Electrical Network for Nonlinear Diode Generators, by S. A. Doganovskiy, L. N. Fitsner, 8 pp.

RUSSIAN, per, Priborostroyeniye, No 1, 1959, pp 15-18.

Automation Express
Vol I, No 8
Internat'l Phys Index

On the Storage of Perturbations in a Nonstationary Linear Sampled-Data System, by Ya. S. Roitenberg, 3 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXII, No 4, 1958, pp 534-536.

Automation Express
Vol I, No 6
Internat'l Phys Index

On the Theory of Transmitting Signals With Many Discrete Values, by E. A. Varshaver, 11 pp.

RUSSIAN, per, Radiotekh, Vol XIV, No 1, 1959, pp 3-13.

Automation Express
Vol I, No 7
Internat'l Phys Index

**Scientific
Engineering (Contd)**

The Maximum Entropy for an Unknown Discrete Distribution When the First Moment is Specified, by B. S. Fleishman, G. B. Linkovskiy, 4 pp. RUSSIAN, per, Radiotekh i Elektron, Vol III, No 4, 1958, pp 554-555.

Automation Express
Vol I, No 2
Internat'l Phys Index

Contribution to the Theory of Detecting Periodic Pulsed Signals in Gaussian Noise for Incoherent Storage, by Yu. V. Polyak, V. S. Kel'zon, 6 pp. RUSSIAN, per, Radiotekh i Elektron, Vol III, No 6, 1958, pp 764-769.

Automation Express
Vol I, No 4
Internat'l Phys Index

On the Efficiency of the Sequential Analysis Method in Devices Which Are Used For Detecting Weak Signals in Noise, by A. E. Basharinov, B. S. Fleishman, 5 pp. RUSSIAN, per, Radiotekh i Elektron, Vol III, No 6, 1958, pp 835-839.

Automation Express
Vol I, No 4
Internat'l Phys Index

On Unidimensional Amplitude and Phase Distributions for a Stationary Process, by F. V. Bunkin, L. I. Gudzerko, 3 pp. RUSSIAN, per, Radiotekh i Elektron, Vol III, No 7, 1958, pp 968, 969.

Automation Express
Vol I, No 4
Internat'l Phys Index

Non-Stationary Stochastic Processes in Linear Pulse Systems With Variable Parameters, by G. P. Tartakovskiy, 9 pp. RUSSIAN, per, Radiotekh i Elektron, Vol III, No 10, 1958, pp 1287-1297.

Automation Express
Vol I, No 5
Internat'l Phys Index

The Use of Wave Matrices for Computing Four-Terminal Networks With Transverse Symmetry, by L. R. Yavich, 4 pp. RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 2, 1959, pp 341-344.

Automation Express
Vol I, No 8
Internat'l Phys Index

Improvements in Arc Welding of Studs, by D. I. Vainboim. RUSSIAN, per, Svarochnoye Proiz, No 6, 1958, pp 36-41.

ATS RJ-1750

The Electro-Slag Welding of a Hydraulic Turbine Shaft With a Welded Shell, by A. S. Gel'man, et al. RUSSIAN, per, Svarochnoye Proiz, No 9, 1958, pp 26-36.

British Iron and
Steel Ind 1304

Scientific
Engineering (Contd)

The Influence of Double-Arc Welding Procedure
on the Electrodes and the Base Metal, by V. N.
Sherstyuk.

RUSSIAN, per, Svetskoye Proiz, No 11, 1958,
pp 15, 16.

ATS RJ-1749

Vibratory Thread Guide for a Spinning Machine,
by E. D. Mizonov.

RUSSIAN, per, Tekstil Prom, Vol XVII, No 4, 1957,
pp 22-26.

ATS RJ-1747

On Schemes for Automatic Combustion Control
Employing an Oxygen Meter, by V. D. Mironov.

RUSSIAN, per, Teploenergetika, No 11, 1956,
pp 25-29.

Co-op Tr Scheme 355

Emissivity of Boiler Furnace Slags, by S. G.
Agababov.

RUSSIAN, per, Teploenergetika, No 8, 1958,
pp 56-60.

DSIR LLU RTS 1052

On the Problem of Gas Motion and Combustion in
a Light Fuel Engine, by K. K. Molchanov.

RUSSIAN, per, Trudy Moskovskogo Avtomobil'nogo Instituta,
No 17, 1955, pp 85-100.

DSIR LLU M.347

Development of the Technology of Manufacture
of Pressure Pipes of Prestressed Concrete and
Their Testing, by A. M. Popov, S. L. Litver.
RUSSIAN, per, Trudy Nauchno-Issledovatel'skogo Instituta
Betona i Zhелеzobetona, Akad. Stroitel'stva i
Arkhitektury SSSR, No 3, Moscow, 1958, pp 140-162.

ATS RJ-1746

On the Choice of Methods, Calculation Diagrams
and Initial Data for Analytical Research in the
Rock Pressure Field, by G. A. Krupennikov.

RUSSIAN, per, Ugol, No 7, 1958, pp 20-24.

DSIR LLU RTS 1065

A Universal Pulsed Reduction Gear, by V. V.
Patrikeyev, V. A. Ferapontov, 3 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 12, 1958,
pp 33-35.

LLU Tr Bul
Jun 1959

Scientific
Engineering (Contd)

Preparation of Press-Fitted Bearing Bushings
Made of Sheet Babbit, by V. A. Kel'dyushev.
RUSSIAN, per, Vest Mashinostroy, Vol XXXVIII,
No 3, 1958, pp 38, 39.

ATS RJ-1743

On the Dynamic Accuracy of a Servo-System Which
Contains a Typical Nonlinear Member, by S. Ya.
Rayevskiy, 11 pp.
RUSSIAN, per, Vest Mos Gos Univ, Seria Matem
Mekh, Fiz i Khim, No 1, Apr 1957, pp 84-94.

Automation Express
Vol I, No 1
Internat'l Phys Index

On a Certain Linear Automatic Control System
With a Corrective Network, by E. N. Miroslovlev,
3 pp.
RUSSIAN, per, Vest Mos Gos Univ, No 1, Sep 1958,
pp 69-72.

Automation Express
Vol I, No 6
Internat'l Phys Index

New Method of Joining Cast-Iron Pipes, by S. N.
Lisitsin.
RUSSIAN, per, Vodostn i San Tekh, No 1, 1959,
pp 38, 39.

DSIR LLU M.321

A New Sampling Device for Chromatographic Analy-
sis, by K. V. Chmutov, V. P. Avgul.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 3,
1957, pp 724, 725.

ATS RJ-951

Two New Means for Packing Machines and Instru-
ments.
FRENCH, brochure, Deux Nouveaux Modes d'Emballage
Pour Machines et Appareils, 1958, 3 pp.

*ATIC MCL-279/III

An Electric Furnace for the Firing of Refractories
at High Temperature, by G. Cavalier, G. Urbain,
3 pp.
FRENCH, per, Ind Ceramique, No 492, 1957, pp 351,
352.

AEC Tr 3652

Tunable Magnetrons, by E. Rostas.
FRENCH, per, Revue Technique C. P. T. R., No 22,
Apr 1956, pp 69-79.

*ATIC MCL-281/V

**Scientific
Engineering (Contd)**

Aerial Propellers Provided With Blades With Variable Incidence and Deflection, by Raoul Pateras Pescara, 5 pp.
FRENCH, Patent No 506,479.

Dept of Commerce
Patent Office
Sci Lib

Improvements in Apparatus for Closing a Circuit by Detection of a Radiation, Particularly Infra-Red Radiation, and More Particularly Improvements in Proximity Fuses of This Type, 21 pp.
FRENCH, Belgian Patent No 520,196. Brino Limited, S. A.

(see above)

Process and Devices for the Production of Stereoscopic Films, by Fritz Fischer, 20 pp.
FRENCH, Patent No 750,154.

(see above)

Safety Lock for Coaxial-Element Assemblies, by Pierre Borgy, 4 pp.
FRENCH, Patent No 917,287.

(see above)

Patent Specifications on Explosive Projectile, 4 pp.
FRENCH, Patent 919,313, 17 Jul 1947.

ACSI, H-3760

Air Filters for the Removal of Radioactive Dusts, by F. H. Becker.
GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXI, No 3, 1959, pp 145-148.

*AEC

Improving the Wear Resistance of Dies by Treatment With Colloidal Graphite, by F. Neuberger.
GERMAN, per, Fertigungstechnik, Jul 1956, pp 321-323.

British Iron and
Steel Ind 1279

Lightweight Materials and Their Uses, by Peter Hoppe, 45 pp.
GERMAN, per, Kunststoffe, Vol XLII, No 12, 1952, pp 450-459.

Dept of Commerce
Patent Office
Sci Lib

Investigations on Basic Steel Converter Bottoms, by W. Koehler, et al.
GERMAN, per, Stahl u Eisen, 14 May 1959, pp 674-683.

*British Iron and
Steel Ind 1369

**Scientific
Engineering (Contd)**

Swivel Plow for Tractor Drive, by Hans Erismann,
7 pp.
GERMAN, Swiss Patent No 273,309.

Dept of Commerce
Patent Office
Sci Lib

Cleaning Apparatus With Liquid Feed, by Helmut
Hunecke, 3 pp.
GERMAN, Patent No 542,640.

(see above)

Straightway Valve for Sprayers, Particularly
Those Designed for Spraying Trees, Bushes, or
the Like, by Hugo Tafelmeier, 5 pp.
GERMAN, Patent No 804,620.

(see above)

Fluid Transmission, Especially for Vehicle
Drives, by Albert Volker, 6 pp.
GERMAN, Patent No 873,937. Aktiengesellschaft
fuer Unternehmungen der Eisen- und Stahlindus-
trie.

(see above)

Apparatus for Separating Pipe Conduits, Particu-
larly Installed Deep-Boring Pipes, by Edmund
Ritter von Herz, Sr., Edmund Ritter von Herz, Jr.,
5 pp.
GERMAN, Patent No 900,201.

(see above)

Device for Adjusting the Blades of Fluid Flow
Engines, by Friedrich Homola, Georg Oberlander,
4 pp.
GERMAN, Patent No 961,742, (Application Printed
No K.14320). Klockner-Humboldt-Deutz A. G.

(see above)

Welding Conditions of Steels and Cooling Time
Near the Fusion Line, Part 2. Summary of Experi-
mental Results in the Case of Manual Arc Welding
Process With Various Covered Electrodes, by M.
Inagaki.

JAPANESE, per, J Japan Welding Society, Vol XXVIII,
No 1, 1959, pp 25-31.

ATS JJ-1748

A New Type of Thermobalance and Its Applications.
I. Test-Construction of a New Type of Thermo-
balance, by Kisei Kinzyo, Shigeo Iwata, 14 pp.
JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXII,
No 11, 1951, pp 958-962. 646540

OTIA 2918

Scientific
Engineering (Contd)

A New Type of Thermobalance and Its Applications.
II. On a Semiautomatic Thermobalance, by Kisei
Kinzo, Shigeo Iwata, 8 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIV,
No 8, 1953, pp 642-644. 646540

OTIA 2918

The Elastic Properties of Reinforced Cylindrical
Tubes Subjected to Uniform External Pressure,
by A. A. Polluz, 49 pp.

SPANISH, per, Ingenioria Naval, No 245, Nov
1955, pp 753-784. 9040641

ACSIL Tr No 931

Landing Altimeter Design, 10 pp.
SWEDISH, Patent Appl 2200/59.

AF 1246350

Scientific
Fuels

Propellants for Rocket Engines, by A. V. Seregin.
RUSSIAN, bk, Goryucheye Dlya Dvigately, Chap IV,
1958, pp 73-112.

*ATIC MCL-290/V

Nuclear Fuel, by A. V. Seregin.
RUSSIAN, bk, Goryucheye Dlya Dvigately, Chap V,
1958, pp 113-134.

*ATIC MCL-290/V

Motor Fuels, by K. K. Papok, 497 pp.
RUSSIAN, bk, Motornyye Topliva, Vol I, Moscow,
1957, pp 10-206, 279-460, 489-512.

ATIC F-TS-9430/V

The Atomization of Liquid in a Carburetor as a
Method of Investigating Mixture Formation, by
B. N. Molchanov.
RUSSIAN, per, Avtom Prom, No 4, 1958, pp 16-18.

DSIR LLU RTS 1110

An Evaluation of the Prospects for Oil Presence on
the Basis of Hydrochemical and Temperature
Indications, by G. M. Sukharev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, No 4,
1951, pp 645-647.

ATS RJ-1034

Trace Elements in the Ash From Polish Crudes, by
J. J. Glogoczowski.
POLISH, per, Biul Inst Naftowego, Vol IV, No 6,
1954, pp 11, 12.

ATS PJ-1033

Scientific
Geophysics

New Instruments and Methods of Engineering
Geology, by H. V. Glazov, A. M. Glazov.
RUSSIAN, bk.

Consultants Bureau

Special Geodetic Assignment: XLVII. The
Abastumani Astrophysical Observatory, by Ye. K.
Kharadze, 19 pp.
RUSSIAN, bk, Abastumanskaya Astrorizicheskaya
Observatoriya Akademika Nauk SSR, 1958.

AID SIR-3027

Analysis of Climate-Forming Processes in
Application to the Genetic Classification of
Fogs, by A. P. Gal'tsov, 192 pp.
RUSSIAN, bk, Analiz Klimatoo'razuyushchikh
Protsessov v Primenenii k Geneticheskoy
Klassifikatsii Tumanov, Moscow, 1957, 206 pp.

ATIC F-TS-9816/V

Graphic Method of Computing Visibility Con-
ditions of the American Satellite 1958, by M. A.
Lur'ye, V. A. Tol'skaya, 7 pp.
RUSSIAN, bk, Byulleten' Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 1, 1958, pp 3-6.

JPRS 773-D

Method for Rapid Calculation of Visibility of
Artificial Earth Satellites (AES), by M. Ye.
Nabokov, 3 pp.
RUSSIAN, bk, Byulleten' Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 1, 1958, pp 7, 8.

JPRS 773-D

Modernization of the AT-1 Astronomical Tele-
scope Used in Determining Horizontal Co-
ordinates of Artificial Earth Satellites (AES),
by V. I. Kuryshov, 5 pp.
RUSSIAN, bk, Byulleten' Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 1, 1958, pp 9-12.

JPRS 773-D

Scientific
Geophysics (Contd)

Bibliography, 4 pp.

RUSSIAN, bk, Byulleten' Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 1, 1958, pp 17, 18.

JPRS 773-D

Appendix II. Observations of AES I, II, and III
by Foreign Stations, 18 pp.

RUSSIAN, bk, Byulleten' Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 1, 1958, pp 25, 26.

JPRS 773-D

Meteoric Phenomena in the Atmosphere of the
Earth, by I. S. Astapovich,
RUSSIAN, bk, Meteornyye Yavleniya v Atmosfere
Zemli, 1958, 640 pp.

*ATIC MCL-256/V

Tashkent Astronomical Observatory, by V. P.
Shcheglov, (NY-2738).
RUSSIAN, brochure, Tashkentskaya Astronomiche-
skaya Observatoriya, 1958.

*JPRS

Theory of the Consolidation of Earth Masses, by
V. A. Florin,
RUSSIAN, bk, Teoriya ot Konsolidatsiya ot
Zemlya Messa, 1948, 284 pp.

ATS RJ-1023

Methods for Inducing the Formation of Ice
Crystals in Supercooled Clouds, by A. D.
Solov'yev,
RUSSIAN, bk, Trudy Tsentral Aerolog Observatorii,
No 17, 1956, pp 57-70.

ATS RJ-1341

Leveled Triaxial Ellipsoid and Force of Gravity
on Its Surface, by D. V. Zagrebin.
RUSSIAN, bk, Urovennyi Trekhosnyi Ellipsoid i
Sila Tiazhesti na Ego Poverkhnosti, 1948, 112 pp.

*ATIC

Cambrian Foraminifera of Yakutsk, by E. A.
Reitlinger.
RUSSIAN, per, Byull Moskov Obshchestva
Ispytatelei Prirody, Otdel Geol, Vol XXIII, No 2,
1948, pp 77-81.

ATS RJ-1365

Scientific
Geophysics (Contd)

Special Geodetic Assignment: LIII. Optical Range Finders in Surveying Highways, 6 pp.
RUSSIAN, per, Avtomobil'nyye Dorogi, No 9, 1958, pp 28, 29.

AID SIR 3030

Special Geodetic Assignment: XV. Reconnaissance in the Talasskiy Ala-Tau Mountains, 22 pp.
RUSSIAN, per, Geodezist, No 2, 1926, pp 92-98; No 4, pp 32-40; No 6, pp 65-73.

AID SIR 2953

Special Geodetic Assignment: XVI. How to Fit the Astronomically Determined Points into the Triangulation Grid, 7 pp.
RUSSIAN, per, Geodezist, No 5, 1926, pp 30-37.

AID SIR 2958

Special Geodetic Assignment: XXVII. Triangulation of the City of Nikolayev, 28 pp.
RUSSIAN, per, Geodezist, No 2/3, 1932, pp 101-111; No 4, 1932, pp 47-54.

AID SIR 2989

Special Geodetic Assignment: XVII. Photogrammetric Equipment of the Dirigible "Graft Zeppelin" During the Flight in the Arctic in 1931 and the Processing Methods of the Photogrammetric Material, 7 pp.
RUSSIAN, per, Geodezist, No 5/6, 1933, pp 61-69.

AID SIR 2955

Special Geodetic Assignment: XXVIII. Basic Geodetic Works in the USSR, 24 pp.
RUSSIAN, per, Geodezist, No 3/4, 1934, pp 1-15.

AID SIR 2991

Special Geodetic Assignment: XXIX. Projection on a Spheroid of the Aral Sea - India Basic Triangulation Chain, 56 pp.
RUSSIAN, per, Geodezist, No 11/12, 1934, pp 20-55.

AID SIR 3003

Special Geodetic Assignment: XXX. Organization of Geodetic Work in the Magnitostroy Area, 22 pp.
RUSSIAN, per, Geodezist, No 8, 1935, pp 56-72.

AID SIR 2997

Scientific
Geophysics (Contd)

Special Geodetic Assignment: XXXIV. (About)
Geographic Names on Topographic Maps, 12 pp.
RUSSIAN, per, Geodezist, No 1, 1937, pp 30-41. AID SIR 2996

Location Surveying and Laying Out of a
Mountain Type Tunnel, 17 pp.
RUSSIAN, per, Geodezist, No 6, 1938, pp 52-65. AID SIR 2966

Special Geodetic Assignment: XX. Geographic
Work and Its Purpose in the Aerogeodetic
Enterprises of the GUGSK, 16 pp.
RUSSIAN, per, Geodezist, No 7, 1938, pp 7-18. AID SIR 2959

Special Geodetic Assignment: XXI. About the
Organization of the Problem of Cartographing
the Whole Territory of the USSR, 8 pp.
RUSSIAN, per, Geodezist, No 9, 1938, pp 5-10. AID SIR 2960

Special Geodetic Assignment: XXIII. The
Experience in Application of Trig-Traverse in
a Mountain-Gorge Locality, 26 pp.
RUSSIAN, per, Geodezist, No 12, 1938, pp 54-73. AID SIR 3016

Special Geodetic Assignment: XLIV. The Tbilisi
Cartographic Plant on the Twentieth Anniversary
of Geodesy and Cartography, 11 pp.
RUSSIAN, per, Geodezist, No 3, 1939, pp 85-91. AID SIR 3005

Special Geodetic Assignment: XLVI. Astronomic
Determinations in the Tyan'-Shan' Area, 16 pp.
RUSSIAN, per, Geograficheskaya Izvestiya,
1 Jun 1873, pp 111-128. AID SIR 3025

Forms of Sulfur Compounds in Silt Waters of
Black Sea Sediments, by I. I. Volkov, E. A.
Ostroumov.
RUSSIAN, per, Geokhim, No 4, 1957, pp 337-345. ATS RJ-1359

The Interrelationship of Phosphorus Vanadium
and Organic Matter in the Sediments of the
Black Sea, by E. A. Ostroumov, I. I. Volkov.
RUSSIAN, per, Geokhim, No 6, 1957, pp 518-528. ATS RJ-1360

Scientific
Geophysics (Contd)

Experimental Use of α -Counting Methods for
Determining the Absolute Geological Age of
Rocks, by Yu. T. Kapitanov, A. S. Serdyukova.
RUSSIAN, per, Geokhim, No 7, 1957, pp 615-620.

ATS RJ-1358

Effect of Temperature on the Release of
Petroleum by Loose Sands in the Case of Gravita-
tional Flow, by S. L. Zaks.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10/11, 1944, pp 729-733.

ATS RJ-1347

Measurement of the Spectrum of Atmospheric
Light Ions, by L. R. Zwang, L. N. Gutman, 19 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 7,
1958, pp 891-902.

ATIC F-TS-9887/V

Scientific Communications, by O. I. Kovalev,
11 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 7,
1958, pp 913-917.

ATIC F-TS-9887/V

Magnetic-Field Stabilizer, by B. Bryunelli,
D. A. Nizyayev, Kh. D. Karonidi, 8 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 7,
1958, pp 917-920.

ATIC F-TS-9887/V

String Gravimeter for Measurement of Gravity
at Sea, by A. M. Lozinskaya, 15 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,
No 3, 1959, pp 398-409.

JPRS L-1730-D

Structural-Morphological Types of Pegmatite
Veins and the Conditions of Their Formation, by
Yu. P. Ivensen,
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 3,
1957, pp 36-47.

ATS RJ-1019

Full Translation of Soviet Periodical Iz Ak
Nauk SSSR, Ser Geol, No 1, 1958, pp 3-141.

Amer Geophys Union

The Forecasting of Thunderstorms and Showers
by the Slice Method, by N. S. Shishkin.
RUSSIAN, per, Met i Gid, No 8, 1957, pp 14-20.

ATS RJ-1049

Scientific
Geophysics (Contd)

Unusual Polar Lights, by N. V. Kolobkov,
9 pp.
RUSSIAN, per, Met i Gid, No 3, 1958,
pp 56-58.

ATIC P-TS-9875/V

Daily Variation in the Frequency of Wind
Directions on Arctic Islands, by V. M.
Shapayev, 3 pp.
RUSSIAN, per, Met i Gid, No 12, 1958, pp
32, 33.

Amer Meteorol Soc
for Geophys Res Dir
ASTIA

Thermal Treatment of Depleted Oil-Bearing
Formations, by E. B. Chekalyuk et al.
RUSSIAN, per, Neft Khoz, Vol XXXII, No 1,
1954, pp 33-38.

ATS RJ-1346

The Origin of Cosmic Rays, by V. L. Ginzburg',
M. I. Fradkin, 17 pp.
RUSSIAN, per, Priroda, No 8, Moscow, 1958,
pp 3-12.

JPRS 775-D

Atlantic Water in the Arctic Basin, by V. T.
Timofeyev, 13 pp.
RUSSIAN, per, Problemy Arktiki, No 2, 1957,
pp 41-51.

Amer Meteorol Soc
for Geophys Res Dir
ASTIA

Petrography of the Ultrabasic Inclusions in
the Kimberlites of Eastern Siberia, by A. P.
Bobryevich.
RUSSIAN, per, Razvedka i Okhrana Nedr, Vol
XXIII, No 1, 1957, pp 6-12.

ATS RJ-1354

Location and Age of Alkali Ultrabasic Rocks
of the Siberian Platform, by Yu. M. Sheinmann.
RUSSIAN, per, Razvedka i Okhrana Nedr, Vol
XXIII, No 1, 1957, pp 12-16.

ATS RJ-1356

Scientific
Geophysics (Contd)

Contribution to the Theory of Estimating the Resources of Secondary Elements in Ores, by I. P. Sharapov.

RUSSIAN, per, Razvedka i Okhrana Nedr, Vol XXIII, No 1, 1957, pp 25-32.

ATS RJ-1350

On the Forthcoming 21st Session of the International Geology Congress, 6 pp.

RUSSIAN, per, Sovet Geol, No 1, 1959, pp 163-165.

JPRS L-846-N

Special Geodetic Assignment: XLV. Determination of the Force of Gravity for the Kazan' Astronomic Observatory, 13 pp.

RUSSIAN, per, Trudy Astronomicheskoy Observatorii Imperatorskogo Kazanskogo Universiteta, No XXV, Kazan', 1915.

AID SIR 3017

Nubecularia Nodules of the Middle Sarmatian of Mangyshlak and the Crimea, by N. Andrusov.

RUSSIAN, per, Trudy Geol i Mineralog Muzeya im Imperatora Petra Velikogo Ross Akad Nauk, Vol III, No 1, 1923, pp 1-24.

ATS RJ-1366

Methods of Sounding the Atmosphere by Aerostats, by P. A. Vorontsov, V. I. Seliskaya.

RUSSIAN, per, Trudy Glavnaya Geofiz Observ, Vol LI, No 113, 1955, pp 3-15.

*AEC

Mineralogical Composition of Sedimentary Rocks and Coefficients of Mineral Stability, by M. P. Baskakov.

RUSSIAN, per, Trudy Inst Geol Akad Nauk Uzbek SSSR, No 9, 1953, pp 109-114.

ATS RJ-1353

The Origin and Evolution of Fossil Ice, by A. I. Popov.

RUSSIAN, per, Trudy Inst Merzlotovedeniya Materialy k Osnovam Ucheniya o Merzlykh Zonakh Zemnoi Kory, Ak Nauk SSR, No 2, 1955, pp 5-25.

ATS RJ-1048

Scientific
Geophysics (Contd)

Ultrabasic and Basic Magnetic Rocks and Serpentine
Rocks of the Urals as Mineral Raw Material for
Cold Asphalt, by F. A. Asinkritov.

RUSSIAN, per, Trudy Sverdlovsk Gornogo Inst, No 26,
1956, pp 24-44.

ATS RJ-1355

Special Geodetic Assignment: XLI. Astronomic
Observations (in Uzbekskaya SSR), 36 pp.

RUSSIAN, per, Zapiski Tashkentskoy AstronOMIChe-
skoy i Fizicheskoy Observatorii, Vol III, Moskva,
1889, pp 3-29.

AID SIR-3022

The Jet Streams as Phenomena of the Null Layer,
by Heinrich Faust, 24 pp.

GERMAN, per, Meteorol Rundschau, Vol VII, 1954,
No 9/10, pp 161-166.

Amer Meteorol Soc
for Geophys Res Dir
ASTIA

Scientific
Medicine

Economic Principles of Preparing Depoted Tetanus Anatoxin, by A. V. Markovich, A. A. Vorob'yev, (NY-2769).

RUSSIAN, bk, Anaerobnyye Infektsii, Kiev, 1957, pp 24-37.

*JPRS

Home-Canned Foods as a Source of Human Botulism, by M. S. Segal', P. A. Razumeyev, V. P. Ryabchikova, (NY-2769).

RUSSIAN, bk, Anaerobnyye Infektsii, Kiev, 1957, pp 145-147.

*JPRS

A Study of the Action of Botulinus Toxin on the Phagocytic Capability of Elements of the Reticuloendothelial System, by Yu. I. Donets, (NY-2769).

RUSSIAN, bk, Anaerobnyye Infektsii, Kiev, 1957, pp 148-156.

*JPRS

Vestibular Training.

RUSSIAN, bk, Bol'shaya Meditsinskaya Entsiklopediya, Vol V, Col 275-279.

*AID

Hypoxia.

RUSSIAN, bk, Bol'shaya Meditsinskaya Entsiklopediya, Vol VII, Col 203-214.

*AID

Dosage of Ionizing Radiation.

RUSSIAN, bk, Bol'shaya Meditsinskaya Entsiklopediya, Vol IX, Col 689-698.

*AID

Functions of the Organism in a Modified Gaseous Medium.

RUSSIAN, bk, Funktsii Organizma v Usloviyakh Izmenennoy Gazovoy Sredy, Vol II, Moscow/Leningrad, 1958, pp 1-154.

*ATIC MCL 202/V

Absolute Measurement of Beta Activity by the Small Ionization Chamber Method, by I. A. Antonova, 13 pp.

RUSSIAN, monograph, Issledovaniya v Oblasti Dozimetrii Ioniziruyushchikh Izlucheniya, 1957, pp 72-81.

JPRS L 1743-D

Scientific
Medicine (Contd)

Indicating Pocket Gamma-Dosimeters, by M. I. Amiragova, V. Ye. Busygin, Yu. M. Shtukkenberg, 10 pp.

RUSSIAN, monograph, Issledovaniya v Oblasti Dozimetrii Ioniziruyushchikh Izlucheniya, 1957, pp 102-111.

JPRS L-1743-D

Pocket Gamma-Radiation Dosimeter, by M. Ardenne, G. Yeager, B. Roggenbuk, G. Froylikh, 3 pp.

RUSSIAN, monograph, Issledovaniya v Oblasti Dozimetrii Ioniziruyushchikh Izlucheniya, 1957, pp 112-114.

JPRS L-1743-D

Apparatus for Individual Dosimetric Checking, by A. A. Pavlov, I. M. Rozman, K. G. Tsimmer, 7 pp.

RUSSIAN, monograph, Issledovaniya v Oblasti Dozimetrii Ioniziruyushchikh Izlucheniya, 1957, pp 115-120.

JPRS L-1743-D

An Electrofilter for Determining the Concentrations of Active Aerosols, by Yu. M. Shtukkenberg, K. S. Kalugin, A. I. Bobkov, 28 pp.

RUSSIAN, monograph, Issledovaniya v Oblasti Dozimetrii Ioniziruyushchikh Izlucheniya, 1957, pp 132-153.

JPRS L-1743-D

Principles of Calculating the Permissible Limit Levels of External Streams of Ionizing Radiations, by N. G. Gusev, 14 pp.

RUSSIAN, monograph, Issledovaniya v Oblasti Dozimetrii Ioniziruyushchikh Izlucheniya, 1957, pp 180-191.

JPRS L-1743-D

Antibiotics in Animal Husbandry, by V. Grezin, 81 pp.

RUSSIAN, bk, Moskovskiy Rabochiy, 1958, pp 19-24, 32-43, 47-65, 69, 70, 9040620

USDA

Scientific
Medicine (Contd)

Radioactive Contamination of Fish in Waters
Containing Strontium, by M. M. Saurov.

RUSSIAN, monograph, Trudy Vses Konferentsii
po Med Radiologii (Voprosy Gig i Dosimetrii),
1957, pp 66-73.

*AEC

Physical Bases of Dosimetry of Roentgen and
Gamma Rays, by A. V. Bibergal', U. Ya. Margulis,
Ye. I. Vorob'yev, 19 pp.

RUSSIAN, bk, Zashchita ot Rentgenovyykh i Gamma
Luchey, Moscow, 1955, pp 94-111.

JPRS 1726-N

Principles of Calculation Protection, by A. V.
Bibergal', U. Ya. Margulis, Ye. I. Vorob'yev,
47 pp.

RUSSIAN, bk, Zashchita ot Rentgenovyykh i Gamma
Luchey, Moscow, 1955, pp 112-136.

JPRS 1726-D

Protective Materials, by A. V. Bibergal', U. Ya.
Margulis, Ye. I. Vorob'yev, 22 pp.

RUSSIAN, bk, Zashchita ot Rentgenovyykh i Gamma
Luchey, Moscow, 1955, pp 157-174.

JPRS 1726-N

Protective Structures, by A. V. Bibergal',
U. Ya. Margulis, Ye. I. Vorob'yev, 37 pp.

RUSSIAN, bk, Zashchita ot Rentgenovyykh i Gamma
Luchey, Moscow, 1955, pp 175-211.

JPRS 1726-N

Methods of Dosimetric Control of Working
Conditions, by A. V. Bibergal', U. Ya. Margulis,
Ye. I. Vorob'yev, 18 pp.

RUSSIAN, bk, Zashchita ot Rentgenovyykh i Gamma
Luchey, Moscow, 1955, pp 212-226.

JPRS 1726-N

Sanitation-Prophylactic Measures in Working
With X-Rays and Gamma-Rays, by A. V. Bibergal',
U. Ya. Margulis, Ye. I. Vorob'yev, 6 pp.

RUSSIAN, bk, Zashchita ot Rentgenovyykh i Gamma
Luchey, Moscow, 1955, pp 233-237.

JPRS 1726-N

Scientific
Medicine (Contd)

The Antagonistic Action of Actinomycetes on Cancer Cells, by L. P. Kiseleva, 8 pp.

RUSSIAN, per, Antibiotiki, Vol III, No 1, Jan/Feb 1958, pp 10-13.

JPRS L-1720-D

The Formation of Actinoxanthine - A New Antitumor Antibiotic, by A. A. Mel'nikova, V. A. Semenova, N. K. Solov'yeva, I. P. Snezhnova, G. N. Ginzburg, 6 pp.

RUSSIAN, per, Antibiotiki, Vol III, No 1, Jan/Feb 1958, pp 18-22.

JPRS L-1720-D

The Effect of Actinoxanthine, Produced by Actinomyces Globisporus 1131, On Experimental Tumors in Animals, by A. S. Bondareva, 9 pp.

RUSSIAN, per, Antibiotiki, Vol III, No 1, Jan/Feb 1958, pp 31-36.

JPRS L-1720-D

The Combined Use of Actinoxanthine and Sarcocollin in Experiments on Rats With Sarcoma 45, by Yu. I. Rampan, A. B. Syrkin, 8 pp.

RUSSIAN, per, Antibiotiki, Vol III, No 1, Jan/Feb 1958, pp 36-40.

JPRS L-1720-D

The Alkaloid Content and Distribution of Ergot in the USSR, by N. I. Ostrovskiy, N. I. Libizov, A. P. Dobrovol'skaya, L. D. Pimenova, L. P. Semenova, 9 pp.

RUSSIAN, per, Aptechnoye Delo, Vol VIII, No 1, Jan/Feb 1959, pp 29-34.

JPRS L-1734-D

The Status of and Prospects for the Development of Pharmacy in the USSR, by M. V. Khomutov, (NY-2803).

RUSSIAN, per, Aptechnoye Delo, Vol VIII, No 3, 1959, pp 3-10.

*JPRS

The Status of and Prospects for Training Pharmaceutical Cadres in the USSR, by V. V. Yermakov, A. K. Mel'nichenko, G. A. Popov, (NY-2803).

RUSSIAN, per, Aptechnoye Delo, Vol VIII, No 3, 1959, pp 31-38.

*JPRS

Scientific
Medicine (Contd)

Forty Years of Soviet Embryology, by A. G. Knorre, (NY-2775).

RUSSIAN, per, Arkhi. Anatomii, Gistologii, i Embriologii, Vol XXXV, No 2, 1958, pp 3-16.

*JPRS

Development of Area 17 of the Cerebral Cortex in Humans During the Second Half of Intrauterine Life, by E. N. Kosmarskaya, (NY-2775).
RUSSIAN, per, Arkhi. Anatomii, Gistologii, i Embriologii, Vol XXXV, No 2, 1958, pp 30-38.

*JPRS

A. A. Zavarzin and N. G. Khlop'in Theories of Tissue Evolution and the Problem of Their Creative Synthesis, by A. A. Braun, V. P. Mikhailov, (NY-2776).

RUSSIAN, per, Arkhi. Anatomii, Gistologii, i Embriologii, Vol XXXV, No 3, 1958, pp 8-18.

*JPRS

Histochemistry of Brain Phosphatase in Rabbits During Ontogenesis, by V. I. Krasil'nikova, (NY-2776).

RUSSIAN, per, Arkhi. Anatomii, Gistologii, i Embriologii, Vol XXXV, No 3, 1958, pp 69-72.

*JPRS

Recent Data on the Structure and Properties of the Cell Nucleus, by P. V. Makarov, (NY-2777).
RUSSIAN, per, Arkhi. Anatomii, Gistologii, i Embriologii, Vol XXXV, No 6, 1958, pp 3-21.

*JPRS

Rate of Maturing of Spinal Reflex Arcs in Rabbits, by S. A. Troitskaya, (NY-2777).

RUSSIAN, per, Arkhi. Anatomii, Gistologii, i Embriologii, Vol XXXV, No 6, 1958, pp 52-57.

*JPRS

The Status of the Medico-Sanitary Service of Children in Azerbaydzhan SSR and the Immediate Problems of the Organs of Public Health, by F. M. Vekilov, (NY-2727).

RUSSIAN, per, Azerbaydzhan Medits. Zhur, No 5, 1959, pp 51-56.

*JPRS

Scientific
Medicine (Contd)

Full Translation of Soviet Periodical Byul Eksper Biol i Med, Vol XLVI, No 12, 1958.

Consultants Bureau

An Electrophysic Study of the Motility of the Duodenum, by Y. I. Daikhovsky, 8 pp.
RUSSIAN, per, Fiz Zhur SSSR, Vol XXVII, 1939, pp 559-563.

NIH 6-31

Full Translation of Soviet Periodical Fiz Zhur SSSR imeni I. M. Sechenov, Vol XLV, No 1, 2, 1959.

Pergamon Inst

Resolutions of the 21st Congress of the CPSU and Problems of Nutrition Hygiene, by N. I. Orlov, 7 pp.
RUSSIAN, per, Gig i San, Vol XXIV, No 4, Moscow, 1959, pp 3-7.

JPRS L-855-N

New Industrial Hygiene Problems in the Leading Branches of the National Economy in Connection With the Seven-Year Plan for the Industrial and Agricultural Development of Our Country, 1959-1965, 5 pp.
RUSSIAN, per, Gig Truda i Professional'nyye Zaboлевaniya, Vol III, No 1, Jan/Feb 1959, pp 3-6.

JPRS L-1735-D

The Preparation of Radioactive Anthrax Bacillus, by M. M. Agababyan, (DC-2968).
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR; Biolog i Sel'skokhoz Nauk, Vol XII, No 1, Yerevan, 1959, pp 69-73.

*JPRS

First Scientific Conference of the Institute of Cytology, by V. I. Voneb'ev, A. V. Zhirmonskiy.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXIII, No 5, Sep/Oct 1958, pp 618-622. 9040622

USDA

Antibiotic Substances of an Actinomycete Origin Against Phytopathogenic Microorganisms, by R. O. Mirzabekyan.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol XXIV, No 1, Jan/Feb 1959, pp 103-110. 9040611

USDA

Scientific
Medicine (Contd)

General Principles in the Treatment of Combined
Radiation Affections, by Prof B. M. Khromov,
11 pp.

RUSSIAN, per, Klin Med, No 4, Moscow, 1959, pp
5-11.

JPRS L-818-N

The Efficacy of Different Kinds of Hemotherapy
in Experimental Acute Radiation Sickness, by
P. D. Gorizontov, V. D. Rogoskin, 18 pp.
RUSSIAN, per, Klin Med, No 4, Moscow, 1959,
pp 11-18.

JPRS L-819-N

Signs of Certain Functional Deviations Found
in Workers of Roentgen Institutions, by A. A.
Bagdasarov, P. M. Al'perin, Ye. V. Kasatkin,
R. I. Rodina, 12 pp.
RUSSIAN, per, Klin Med, No 4, Moscow, 1959, pp
19-25.

JPRS L-820-N

The Medical Industry in 1959-1965, 5 pp.
RUSSIAN, per, Med Prom SSSR, No 1, 1959, pp
3-5.

JPRS L-801-N

The Use of Industrial Wastes of Chlortetracycline
for Livestock Raising Needs, by I. N. Kamenskiy,
B. Z. Cherches, A. P. Kryuchkova, L. I. Rasso-
lenko, 8 pp.
RUSSIAN, per, Med Prom SSSR, No 1, 1959, pp
6-10.

JPRS L-802-N

The Use of Ultrasound in Aerosol Therapy, by
A. R. Livenson, 10 pp.
RUSSIAN, per, Med Prom SSSR, No 1, 1959, pp
17-24.

JPRS L-803-N

Prolonged Studies of Changes in the Composition
of the Peripheral Blood and Bone Marrow in
Animals Following Total Single X-Ray Irradiation,
by T. V. Tkacheva, 13 pp.
RUSSIAN, per, Med Radiolog, No 3, 1959, pp 14-21.

JPRS L-858-N

Scientific
Medicine (Contd)

The Protective Action of Heroin on the Embryos of White Mice in Total Irradiation of the Mother, by F. B. Shapiro, 6 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 39-42.

JPRS L-859-N

Luminescent Microscopy of the Blood in X-Ray Irradiation, by M. Ya. Khodas, 10 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 44-48.

JPRS L-860-N

The Importance of Luminescent Microscopy of the Bone Marrow in the Experimental Study of Radiation Reaction, by I. G. Krasnykh, 6 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 49-52.

JPRS L-861-N

Luminescent Microscopy of the Bone Marrow in the Action of Radiomimetic Substances, by S. P. Yarmonenko, 6 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 52-57.

JPRS L-862-N

The Luminescence of DNA Isolated From Tissues of Irradiated Animals, by G. P. Toropova, A. L. Pozdnyakov, 7 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 57-69.

JPRS L-863-N

On the Use of Certain Immunological and Microbiological Methods for the Study of the State of the Body's Reactivity in Radiation Affections, by N. N. Klemparskaya, O. G. Alekseyeva, 10 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 70-76.

JPRS L-864-N

The Influence of X-Ray Irradiation on the Level of Glucose and Lactic Acid in Blood Flowing Into and Out of the Brain, by S. V. Zakharov, 4 pp.

RUSSIAN, per, Med Radiolog, No 3, 1959, pp 77-79.

JPRS L-866-N

Scientific
Medicine (Contd)

The Change of Tissue Autolysis in Radiation
Sickness, by Z. B. Tokarskaya, 4 pp.
RUSSIAN, per, Med Radiolog, No 3, 1959, pp
81, 82.

JPRS L-867-N

A Working Classification of Radiation Affections,
by V. B. Farber, 13 pp.
RUSSIAN, per, Med Radiolog, No 3, 1959, pp 83-88.

JPRS L-868-N

Conference on the Problem of Radiostrontium
(Moscow, December 1958), by N. O. Razumovskiy, 6 pp.
RUSSIAN, per, Med Radiolog, No 3, 1959, pp
92-94.

JPRS L-870-N

The Twenty-First Congress of the Communist Party
of the Soviet Union, 7 pp.
RUSSIAN, per, Mikrobiol, Vol XXVIII, No 1, Jan/
Feb 1959, pp 3-6.

JPRS L-796-N

New Tasks of Microbiology in the Field of the
Fermentation Industry, by I. Ya. Veselov, 6 pp.
RUSSIAN, per, Mikrobiol, Vol XXVIII, No 2, Mar/
Apr 1959, pp 161-164.

JPRS L-851-N

One of the Tasks of General Microbiology, by
A. A. Imshenetskiy, 4 pp.
RUSSIAN, per, Mikrobiol, Vol XXVIII, No 2,
Mar/Apr 1959, pp 165-167.

JPRS L-852-N

Tasks of Radiation Microbiology in Connection
With a Plan for Development of the National
Economy of the USSR From 1959-1965, by M. N.
Meysel', 5 pp.
RUSSIAN, per, Mikrobiol, Vol XXVIII, No 2,
Mar/Apr 1959, pp 168-171.

JPRS L-853-N

Several Tasks in the Field of Bacterio- and
Antinophagia Study, by Ya. I. Rautenshteyn,
4 pp.
RUSSIAN, per, Mikrobiol, Vol XXVIII, No 2,
Mar/Apr 1959, pp 172-174.

JPRS L-854-N

Scientific
Medicine (Contd)

Controlled Infections, by Ye. N. Pavlovskiy,
(NY-2771).
RUSSIAN, per, Nauka i Zhizn, No 5, Moscow, 1959,
pp 33-36.

*JPRS

The 21st Congress of the CPSU and Tasks of Path-
ological Physiology, 3 pp.
RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, pp 3, 4.

JPRS L-831-N

The Effect of Ionizing Radiation on Descendants,
by I. Ka. Pyontkovskiy, 17 pp.
RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, pp 12-20.

JPRS L-832-N

Electroencephalographic Analysis of Certain
Remote Sequelae of the Action of Ionizing
Radiation in the Antenatal Period of Development,
by A. M. Ianitskiy, 9 pp.
RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, pp 21-26.

JPRS L-833-N

Characteristics of the Reaction of Irradiated
Animal to General Cooling, by Ya. I. Veksler,
7 pp.
RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, pp 27-29.

JPRS L-834-N

The Effect of Pentoxyl on Leukopoiesis in
Radiation Leukopenia, by T. V. Kalyayeva, 7 pp.
RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, pp 36-39.

JPRS L-835-N

The Problem of the Therapeutic Action of
Strychnine in Acute Radiation Sickness in Rats
and Mice, by E. K. Grabovenko, M. F. Sbitneva,
2 pp.
RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, p 71.

JPRS L-836-N

Scientific
Medicine (Contd)

Results of the Second Scientific Conference on
the Problem of the Effect of Ionizing Radiations
on the Higher Branches of the Central Nervous
System, by A. M. Ivanitskiy, 4 pp.

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 1, 1959, pp 93, 94.

JPRS L-838-N

The Nature and Classification of Reactivity,
by S. M. Pavlenko, (NY-2726).

RUSSIAN, per, Patolog Fiziol i Eksper Terapiya,
Vol III, No 3, 1959, pp 79-84.

*JPRS

The Study of Tissue Culture, by V. L. Ryzhkov,
13 pp.

RUSSIAN, per, Priroda, Vol III, No 3, Moscow,
1959, pp 35-43.

JPRS L-856-N

Several Principle Problems in Stimulation of
Labor, by Ye. I. Kvater, 16 pp.

RUSSIAN, per, Sov Med, Vol XXII, No 2, Moscow,
1958, pp 94-103.

JPRS L-849-N

The Fulfillment of Resolutions of the 21st
Congress of the CPSU -- Our Task, 3 pp.

RUSSIAN, per, Sov Zdrav, Vol XXVIII, No 2, 1959,
pp 3, 4.

JPRS L-826-N

The Experimental Study of Morbidity Among the
Rural Population of Kiyevskaya Oblast, Ukrainian
SSR, by G. M. Sidorenko-Zelezinskaya, 9 pp.

RUSSIAN, per, Sov Zdrav, Vol XXVIII, No 2, 1959,
pp 25-30.

JPRS L-827-N

The History of Medicine in the USSR in the New
Stage, 6 pp.

RUSSIAN, per, Sov Zdrav, Vol XXVIII, No 4,
1959, pp 3-6.

JPRS L-842-N

On the Tasks and the Role of Pediatric Science
in the Further Reduction of the Children's
Morbidity and Mortality in the Coming Seven-Year
Period, by Yu. F. Dombrovskaya, (NY-2770).

RUSSIAN, per, Sov Zdrav, Vol XXVIII, No 6,
1959, pp 3-7.

*JPRS

Scientific
Medicine (Contd)

Our Aims, (NY-2728).
RUSSIAN, per, Sobonna-Meditsinskaya Ekspertiza,
Vol II, No 2, 1959, pp 3-6.

*JPRS

Determination of the Degree of Inactivation of
Cholinesterase by a Histo-Spectrophotometric
Method, by V. V. Sokolovskiy, N. V. Korolev,
2 pp.
RUSSIAN, per, Tsitologiya, Vol I, No 2, 1959,
pp 177-182.

NIH 6-36.

Vaccinal Process in Associated Immunization,
by I. I. Rogozin, B. D. Belyakov, 16 pp.
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIII,
No 10, Moscow, 1958, pp 23, 24.

JPRS L-1744-D

Ascrakhan Session of Academy of Medical Sciences
USSR on the Problem of Intestinal Infections,
by B. N. Shunkin, A. I. Smirnova, A. I. Danilov,
14 pp.
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIII,
No 10, Moscow, 1958, pp 74-80.

JPRS L-1745-D

In the Presidium of the Academy of Medical
Science, USSR, by M. A. Ivanova, 7 pp.
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XIII,
No 10, Moscow, 1958, pp 90-92.

JPRS L-1746-D

Irradiation of Personnel During Diagnostic
Procedures, by R. E. Novikova, 4 pp.
RUSSIAN, per, Vest Rentgenolog i Radiolog,
Vol XXXIII, No 1, 1958, pp 68-71.

JPRS L-1740-D

Occupational Diseases of Roentgenologists and
Radiologists, by Ye. D. Semiglazova, 6 pp.
RUSSIAN, per, Vest Rentgenolog i Radiolog,
Vol XXXIII, No 1, 1958, pp 71-75.

JPRS L-1741-D

The Moscow Scientific Society of Roentgenologists
and Radiologists and Its Part in the Development
of Soviet Radiology, by L. D. Podlyashuk, 8 pp.
RUSSIAN, per, Vest Rentgenolog i Radiolog, Vol
XXXIII, No 1, 1958, pp 90-94.

JPRS L-1742-D

Scientific
Medicine (Contd)

The Seventh All-Union Congress of Roentgenology and Radiology, by Yu. N. Sokolov, V. M. Bentsyanova, L. S. Rozenshtaukh, 20 pp.

RUSSIAN, per, Vest Rentgenolog i Radiolog, No 1, 1959, pp 82-90.

JPRS L-830-N

Complex Therapy of Radiation Sickness in Blood Loss, by M. Ya. Chaykovskaya, O. S. Sergel', G. N. Yel'pat'yevskaya, (DC-2967).

RUSSIAN, per, Vest Rentgenolog i Radiolog, Vol XXXIV, No 3, 1959, pp 47-52.

*JPRS

Contemporary Tasks of Dosimetry in Radiation Therapy, by A. N. Krongauz, (DC-2967).

RUSSIAN, per, Vest Rentgenolog i Radiolog, Vol XXXIV, No 3, 1959, pp 52-59.

*JPRS

On Paratyphoid Infection of Rabbits, by P. I. Pritulin.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 2, 1959, pp 42-44. 9040595

USDA

Diagnosis, Prophylaxis and Eradication of Hog Cholera in Swine, by I. A. Rostovtseva.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 2, 1959, pp 57-62. 9040590

USDA

Complex Infections Affecting the Mucous Membranes of Cattle, by M. F. Serov.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 2, 1959, pp 88-91. 9040589

USDA

Veterinary Service in Albania, by Dmitr Vavako.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 4, 1959, pp 79-81. 9040599

USDA

On the Book "Organization of the Veterinary Affairs in the USSR, by V. I. Kalugin, A. G. Ginzburg, A. D. Ivancva.

RUSSIAN, per, Veterinariya, Vol XXXVI, No 4, 1959, pp 84-87. 9040601

USDA

Scientific
Medicine (Contd)

Determinism and Teleology, by I. T. Frolov,
(NY-2782).

RUSSIAN, per, Voprosy Filosofii, No 2, 1958,
pp 35-49.

*JPRS

Philosophical Problems in Contemporary Genetics,
by N. V. Turbin, (NY-2782).

RUSSIAN, per, Voprosy Filosofii, No 2, 1958,
pp 112-127.

*JPRS

Materialist Theory of Reflection and the Theory
of the Development of Living Matter, by O. V.
Lapshin, (NY-2781).

RUSSIAN, per, Voprosy Filosofii, No 4, 1958,
pp 78-87.

*JPRS

Genetics of Micro-Organisms and Present-Day
Views on Heredity, by N. N. Zhukov-Verezhnikov,
A. P. Pekhov, (NY-2780).

RUSSIAN, per, Voprosy Filosofii, No 6, 1958,
pp 127-138.

*JPRS

Philosophical Problems in the Theory of the
Material Basis of Heredity, by D. F. Petrov,
(NY-2779).

RUSSIAN, per, Voprosy Filosofii, No 7, 1958,
pp 102-112.

*JPRS

Repetition in the Process of Development, by
I. I. Gritsenko, (NY-2778).

RUSSIAN, per, Voprosy Filosofii, No 8, 1958,
pp 3-13.

*JPRS

Methodological Problems in Contemporary
Genetics, by N. I. Nuzhdin, (NY-2778).

RUSSIAN, per, Voprosy Filosofii, No 8, 1958,
pp 82-96.

*JPRS

On the Specific Fermentative Adaptability of
the Alimentary Tract, by G. K. Shlygin.

RUSSIAN, per, Voprosy Pitaniya, Vol XVII, No 2,
1958, pp 3-14.

DSIR LLU RTS 1034

Scientific
Medicine (Contd)

Origin and Development of Conscious Control of
Movements in Man, by A. V. Zaporozhets, (NY-2788).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 1,
1958, pp 24-36.

*JPRS

Experimental Study of Typological Characteristics
of the Nervous System in Children (From Play
Material), by L. I. Usmanskii, (NY-2788).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 1,
1958, pp 184-190.

*JPRS

Phasic States of Cortical Excitation as Related to
Individual Psychological Peculiarities of Pupils,
by P. P. Raspopov, (NY-2789).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 2,
1958, pp 23-37.

*JPRS

Development of Automatic Performance of Mental
Activities, by G. S. Sukhobskaya, (NY-2790).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 3,
1958, pp 74-86.

*JPRS

Formation of Space Perception and Spatial
Concepts in Children, by E. N. Kabanova-Meller,
(NY-2790).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 3,
1958, pp 161-167.

*JPRS

Critical Moment in the Psychic Development of
the Child, by N. V. Chreslashvili, (NY-2791).
RUSSIAN, per, Voprosy Psikhologii, Vol IV,
No 4, 1958, pp 109-115.

*JPRS

The Role of Speech in Child Development, by
A. R. Luriya, (NY-2792).
RUSSIAN, per, Voprosy Psikhologii, Vol IV,
No 5, 1958, pp 3-17.

*JPRS

Psychology and the Concept of the Reflex, by
M. G. Yaroshevskii, (NY-2787).
RUSSIAN, per, Voprosy Psikhologii, Vol IV,
No 6, 1958, pp 66-78.

*JPRS

Scientific
Medicine (Contd)

Specific Nature of the Individual Consciousness of Man as the Highest Degree of Mental Development, by N. P. Antonov, (NY-2787).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 6, 1958, pp 79-88.

*JPRS

Mechanism by Which Children Master Pronunciation During the Second and the Third Year, by G. M. Lyamina, (NY-2787).
RUSSIAN, per, Voprosy Psikhologii, Vol IV, No 6, 1958, pp 119-130.

*JPRS

New Apparatus for Mass Prophylactic Vaccination Against Grippe, by Z. V. Mikhailov.
RUSSIAN, per, Voprosy Virusolog, No 5, 1958, pp 315, 316. 9040593

USDA

Concerning the Method of Drying Foot-and-Mouth Disease Virus Strains Type O, A and C, by V. A. Sergeyev.
RUSSIAN, per, Voprosy Virusolog, No 6, 1959, pp 367, 368. 9040595

USDA

The Auditory Sensitivity of Workers in Radar Stations, by M. I. Svetlakov, A. M. Bol'shakov, 7 pp.
RUSSIAN, per, Voyenno-Med Zhur, No 9, Moscow, 1957, pp 31-34.

JPRS L-1723-D

A Study of Cardiac Activity During Radial Acceleration, by V. B. Malkin, 8 pp.
RUSSIAN, per, Voyenno-Med Zhur, No 9, Moscow, 1957, pp 57-61.

JPRS L-1724-D

An Installation for Heating the PBK-50 Pressure Chamber, by I. R. Kogan, 4 pp.
RUSSIAN, per, Voyenno-Med Zhur, No 9, Moscow, 1957, pp 84, 85.

JPRS L-1725-D

The Pathological Anatomy of Radiation Sickness, by A. V. Smol'yannikov, 7 pp.
RUSSIAN, per, Voyenno-Med Zhur, No 9, Moscow, 1957, pp 87-90.

JPRS L-1726-D

Scientific
Medicine (Contd)

Full Translation of Soviet Periodical Voyenno-Med Zhur, No 3, 1959.

JPRS 1702-N

Full Translation of Soviet Periodical Voyenno-Med Zhur, No 4, 1959.

JPRS 1736-N

Hypoxia, Hyperventilation, Hypocapnia and Flight Safety.

RUSSIAN, per, Voyenno-Med Zhur (Special Supplement), No 3, p 4.

*AID

Flight Illusions.

RUSSIAN, per, Voyenno-Med Zhur (Special Supplement), No 3, p 19.

*AID

For Further Improvement of Protection of the Health of the Population, by I. A. Insarov, 9 pp.

RUSSIAN, per, Zdravookhraneniye Belorussii, No 3, Minsk, 1959, pp 3-7.

JPRS L-847-N

Full Translation of Soviet Periodical Zhur Mikrobiol Epidemiol i Immunobiol, Vol XXIX, No 11, 1958.

Pergamon Inst

A Practical Evaluation of Apparatuses for Bacteriological Investigation of the Air, by A. S. Labinskaya, (NY-2804).

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol Vol XXX, No 2, 1959, pp 74-78.

*JPRS

Some Questions Concerning the Detection of Pathogenic Microorganisms in Objects of the Outer Habitat as Seen in the Light of Foreign Literature, by N. S. Garin, V. Yebedinskiy.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol, No 4, 1959, pp 3-9. 9040592

USDA

The Problem of the Immunological Effectiveness of Live Vaccines Upon Combination of Them With NIISI Polyvaccine, by F. A. Shpugunov, (DC-2969).

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol, Vol XXX, No 4, 1959, pp 19-23.

*JPRS

Scientific
Medicine (Contd)

Method for the Obtaining of Antibotulinus Sera
From Cattle, by A. T. Kravchenko, F. F. Rezapov.
RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, No 4, 1959, pp 79-92. 9040591.

USDA

Topography of Proteins in the Central Nervous
System; Data from Investigations Conducted at
the Histochemical Laboratories of the Brain
Institute of the Academy of Medical Sciences of
the USSR, by V. V. Portugalov, (NY-2784).
RUSSIAN, per, Zhur Nevropatologii i Psikhatrii,
Vol LVIII, No 6, 1958, pp 641-649.

*JPRS

One of the Forms of Prolonged Pathological
Reactions in Puberty; Anorexia Nervosa in
Adolescents, by K. A. Novlyanskaya, (NY-2785).
RUSSIAN, per, Zhur Nevropatologii i Psikhatrii,
Vol LVIII, No 7, 1958, pp 861-866.

*JPRS

Cybernetics in Neurology, by L. G. Chlenov,
(NY-2786).
RUSSIAN, per, Zhur Nevropatologii i Psikhatrii,
Vol LVIII, No 10, 1958, pp 1259-1263.

*JPRS

Cybernetics and Some Problems in Psychiatry, by
A. D. Zurabashvili, (NY-2786).
RUSSIAN, per, Zhur Nevropatologii i Psikhatrii,
Vol LVIII, No 10, 1958, pp 1264-1268.

*JPRS

The "Ink Blot" Method in Determining the Character-
istics of the Signal Systems in Persons of Different
Temperaments, by N. S. Shipkovenskiy, (NY-2783).
RUSSIAN, per, Zhur Nevropatologii i Psikhatrii,
Vol LVIII, No 11, 1958, pp 1326-1332.

*JPRS

Depth Psychology and Psychiatry, by V. K. Morozov,
(NY-2783).
RUSSIAN, per, Zhur Nevropatologii i Psikhatrii,
Vol LVIII, No 11, 1958, pp 1399-1406.

*JPRS

Scientific
Medicine (Contd)

Report From the Thirteenth Scientific Session
of the Institute of Nutrition, Moscow.
CZECH, per, Vyziva Lidu, No 3, 1959.

*ACSI, H-3855

The Medical Aspect of Ejections Practices in
France With Different Types of Ejection Seats,
by J. Fabre.

FRENCH, brochure, Aspect Medical des Ejections
Pratiques en France Sur Differents Types des
Sieges Ejectables, 18 pp.

*ATIC MCL-257/V

On the Conditions of Importation of Animals
and Products of Animal Origin, by F. Woldike
Nielsen, (NY-2762).

FRENCH, bk, XVI Congres International Veterinaire
(Sur les Conditions de l'Importation des Animaux
et des Produits d'Origine Animale) Vol I, Madrid,
1959, pp 393-402.

*JPRS

Generalized Angioplasic Endothelial Sarcoma in
a Patient Who Had Received an Intra-Arterial and
Para-Arterial Injection of Thorotrast 12 Years
Before, by L. Fruhling, Ch. M. Gros, A. Batzen-
schlager, 6 pp.

FRENCH, per, Bull de Cancer, Vol XLII, 1955,
pp 559-563.

NIH 6-9

Study on the Prevention of Infections in Infants
in Institutions by the Injection of Gamma Globulin,
by B. Meyer, F. Alison, J. J. Willard, 19 pp.

FRENCH, per, Bull de l'Institut National d'Hygiene,
Vol XII, No 1, Jan-Mar 1957, pp 137-150.

NIH 6-6

Properties and Chemical Composition of Serum
Haptoglobin, by M. F. Jayle, G. Conas, 22 pp.

FRENCH, per, Bull Soc Chim Biol, Vol XXXIV,
No 1-2, 1952, pp 65-76.

NIH 6-5

Scientific
Medicine (Contd)

Blood Seromucoid Substances and Their Relation to Mucoproteins of the Basic Substance of Connective Tissue. Haptoglobins, an α_2 Seromucoid of Blood Serum, by M. F. Jayle, Genevieve Boussier, 30 pp.

FRENCH, per, Exposés Annuels de Biochimie Méd, Vol XVII, 1950, pp 172-180.

NIH 6-4

Preservation of Poultry by Aureomycine, by Paul Sarrazin.

FRENCH, per, Revue de la Conserve, 1958, 7 pp.

AEC Tr 3689

Metabolic Cancer Therapy, by K. O. Herrmann, H. Jung, 28 pp.

GERMAN, Mimeographed Communication From the Rudolf Virchow Cancer Institute in Lich Oberhessen.

NIH 6-10

Radiographic Studies on Injected Bone Arteries. The Role Arteries Play in Some Pathologic Processes of Bone, by E. Lexer, Wolfgang Turk. Kuliga, 19 pp.

GERMAN, Verlag von August Hirschwald, 1904, Berlin, N. W., Unter den Linden 68.

NIH 6-34

About the Acetylcholin Therapy in Heavy Closed Brain Injuries, by F. L. Jenkner, 5 pp.

GERMAN, per, Archiv fuer Klin Chirurgie, Vol CCLXXXVI, 1957, pp 91-98.

NIH 6-33

The Mechanism of a New Contraction Cycle Different From the Muscular Contraction, by H. Hoffmann-Berling, 21 pp.

GERMAN, per, Biochim et Biophys Acta, Vol XXVII, 1958, pp 247-255.

NIH 6-23

Inborn Instinctual Human Behavior Patterns, by Konrad Lorenz, 37 pp.

GERMAN, per, Deutsche Med Wochenschr, Vol XLV, XLVI, 1953, pp 1566-1569; 1600-1604.

NIH 6-26

Scientific
Medicine (Contd)

**Structure and Function of the Normal Gingival
Connective Tissue**, by H. Feneis, 29 pp.

GERMAN, per, Deutsche Zahnärztl Z, Vol VII,
1952, pp 467-476, 1-XI.

NIH 6-12

**Changes in the Structure of the Gingival
Connective Tissue in Marginal Inflammatory
Diseases of the Tooth Bed**, by E. Frohlich,
28 pp.

GERMAN, per, Deutsche Zahnärztl Z, Vol VII,
1957, pp 477-489.

NIH 6-13

Structure and Function of the Nucleoli, by H.
Stich, 27 pp.

GERMAN, per, Experientia, Vol XII, 1956, pp
7-1b.

NIH 6-3C

**Investigations on the Carbohydrate and Fat
Metabolism in Physical Labor. III. The
Influence of Doses of Glucose on the Working
Ketonemia**, by W. Keller, M. Bohn, 15 pp.

GERMAN, per, Internat Z Angew Physiol, Vol
XVII, 1958, pp 107-114.

NIH 6-1

**A Mechanical Model for the Vibration-Actuated
Human Hand-Arm System**, by Dieter Dieckmann,
13 pp.

GERMAN, per, Internat Z Angew Physiol, Vol XVII,
1958, pp 125-132.

NIH 6-22

**The Hexosamine Content of Cartilage in
Dependence on Age**, by Richard Khun, Hermann Josef
Leppelmann, 9 pp.

GERMAN, per, Liebigs Ann Chem, No 607, 1957,
pp 202-206.

NIH 6-2

The Binding of Phosphotungstic Acid in Collagen,
by K. Kuhn, W. Grassmann, U. Hofmann, 3 pp.

GERMAN, per, Naturwiss, Vol XLIV, 1957, pp
538, 539.

NIH 6-28

Scientific
Medicine (Contd)

Accelerated Decomposition of Drugs in Liver
Microsomes Upon the Action of Luminal, by
H. Renner, 18 pp.

GERMAN, per, Naunyn-Schmiedeberg's Arch fuer
Exp Path u Pharmac, Vol CCXXXV, 1959, pp
279-290.

NIH 6-29

Physiological and Pathological Modifications
of the Mitochondria. Electron-Microscope Study,
by Hedi Gansler, Charles Rouiller, 29 pp.

GERMAN, per, Schweiz Z Path Bakt, Vol XIX,
1956, pp 217-242.

NIH 6-27

On the Question of the Formation of a Carcinoma
on the Basis of a Thorotrast-Scarred Liver, by
T. Matthes, 23 pp.

GERMAN, per, Strahlenther, Vol XCIX, 1956,
pp 94-105.

NIH 6-11

Investigations on the Question of the Radiation
Contamination of the Lungs From Staying in an
Atmosphere Containing Radon, by K. Aurand, U.
Feine, W. Jacobi, A. Schraub, 21 pp.

GERMAN, per, Strahlenther, Vol CIV, 1957, pp
345-354.

NIH 6-20

Morphology and Pathogenesis of Essential Lung
Hemosiderosis, by A. Propst, 56 pp.

GERMAN, per, Virchows Archiv, Vol CCCXXVI, No 6,
May 1955, pp 633-663.

NIH 6-21

The Q-Fever, by Dr Jozsef Romvary, 8 pp.

HUNGARIAN, per, Magyar Allatorvosok Lapja,
Jan-Feb 1957.

ACSI, H-3764

Treatment of Fruit With Ionizing Radiation, by
P. Dupaigne, 19 pp.

ITALIAN, per, Conserv e Derivati Agrumuni,
No 27, Sep 1958, pp 154-162.

ACSI, H-3546

Scientific
Medicine (Contd)

Behavior of the Velocity of Sedimentation and
of the Intravascular Erythrocyte Aggregation
(Sludged Blood) After Intravenous Heparin Ad-
ministration, by E. Orlando, C. Salti, G.
Scassellati Sforzolini, 14 pp.
ITALIAN, per, Minerva Medica, Vol XLVIII, No 2,
pp 3127-3130.

NIH 6-35

Preliminary Report on Variations of the E.E.G.
of the Cat at Various Air Pressures, by G.
Jullien, A. Roger, G. E. Chatrain, 9 pp.
ITALIAN, per, Rivista de Neurologica, Vol XXIII,
1953, pp 357-363. 9040648

ACSIL Tr 1064

Retothelial Sarcomas With Primary Intracranial
Development by Francesco Crosato, Roberto
Zappoli, 66 pp.
ITALIAN, per, Rivista di Patologia Nervosa e
Mentale, Vol LXXIX, No 1, 1958, pp 149-188.

NIH 6-8

Vital Staining of Trichophytic Fungi, by Isamu
Miyake, 41 pp.
JAPANESE, per, Hifuka Oyobi Hinyokika Zasshi,
Vol XXV, No 5, 1925, pp 343-361.

NIH 6-17

Studies in the Survival of Schistosoma Japonicum
in Vitro. I. Survival in Blood or Serum Media,
by J. Ito, K. Yasuraoka, Y. Komiya, 24 pp.
JAPANESE, per, Kiseichugaku Zasshi, Vol IV, No 1,
Mar 1955, pp 12-18.

NIH 6-15

Studies on the Survival of Schistosoma Japonicum
in Vitro. II. Survival in Chemically Defined
Artificial Medium, by J. Ito, Y. Komiya, 16 pp.
JAPANESE, per, Kiseichugaku Zasshi, Vol IV, No 3,
Sep 1955, pp 258-261.

NIH 6-16

Effect of Acids and Alkali on the Cerebral
Circulation in the Rabbit, by Ichiro Ikeda,
24 pp.
JAPANESE, per, Nihon Yakurigaku Zasshi, Vol LIII,
No 3, 1957, pp 340-347.

NIH 6-25

Scientific
Medicine (Contd)

Determination of Tetracycline Antibiotics by
Means of Paper Chromatography, by Z. Kowczyk.
POLISH, per, Med Doswiadczalna i Mikrobiol,
Vol IX, No 1, 1957, pp 1-20.

ATS PJ-950

Influence of Radiation Methods of Sterilization
of Food Products on Microorganisms and Enzymes,
by J. Janicki, E. Kukiel.
POLISH, per, Przemysl Spozywczy, No 9, 1958,
pp 339-343.

ACSI, H-3766

Internal Fungal Diseases, by A. Norden,
20 pp.
SWEDISH, per, Nordisk Medicin, Vol XLVII, No 9,
Feb 1952, pp 271-275.

NIH 6-18

Some Problems Concerning Kerato-Conjunctivitis
Sicca (Kcs) and the Sicca Syndrome, by Henrik
Sjogren, 14 pp.
SWEDISH, per, Svenska Lakartidningen, Vol
XLVI, No 45, Nov 1949, pp 2413-2426.

NIH 6-19

On the Effect of Ionizing Radiation on the
Human Nervous System, by V. F. Sayenko-
Lyubarskaya, (NY-2725).
UKRAINIAN, per, Fiziol Zhur, Vol V, No 2,
1959, pp 261-269.

*JPRS

Scientific
Minerals/Metals

Methods for the Determination of Rock-Forming Carbonate Minerals, by V. B. Tatarskiy, 45 pp.
RUSSIAN, bk, publ by Gostoptekhnizdat, Moscow-Leningrad, 1952.

ATS RJ-198

Dendritic Segregation in Steel, by I. N. Golikov.
RUSSIAN, bk, Dendritnaya Likva ziya v Stali, 1958, pp 157-189, 198, 199.

*ATIC MCL-263/V

Evaluation of Deposits During Exploration and Prospecting NBR 16 Fluorite (Fluospar), by N. S. Lavrovich,
RUSSIAN, bk, Otsenka Mestorozhdeniy Pri Poiskakh i Razvedkakh Vyp. 16 Olavikovyy Shpat, 1956, pp 1-135.

*ATIC MCL-273/V

Seizing of Metals, by A. P. Semenov.
RUSSIAN, bk, Skhvatyvaniye Metallov, 1958, pp 46-52, 53-101, 231-252.

*ATIC MCL-262/V

Genesis of Glauconite, by M. G. Dyadchenko, A. Ya. Khatuntseva.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CI, No 1, 1955, pp 151-153.

ATS RJ-930

Restoration of the Internal Friction of Pure Aluminium After Removal of Load, by A. Ya. Samoylova, V. S. Postnikov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 6, 1957, pp 1228-1230.

DSIR LLU M.400

Scientific
Minerals/Metals (Contd)

Vickers and Rockwell Hardness as a Function of Plasticity Parameters of a Metal and Conditions of Experiment, by G. P. Zaitsev,
RUSSIAN, per, Fiz Metal i Metalloved Ak Nauk SSSR, Ural Filial, Vol II, 1956, pp 339-350.

ATS RJ-1752

Composition of the Sedimentary Rocks of the Russian Platform in Relation to the History of Its Tectonic Movements, by A. P. Vinogradov, A. B. Ronov.
RUSSIAN, per, Geokhimiya, No 6, 1956, pp 3-24.

ATS RJ-1039

The Geochemistry of Carbon in Siberian Traprock and Certain Other Basic Rocks of the USSR, by A. P. Lebedev.
RUSSIAN, per, Geokhimiya, No 2, 1957, pp 161-165.

ATS 1038

Why the Proposals of Dnepropetrovsk Metallurgists Are Introduced Slowly.
RUSSIAN, per, Izobretatel i Ratsionalizator, No 11, 1958, pp 24, 25.

*ATIC MCL-251/III

Pressed Steel, by V. Lints.
RUSSIAN, per, Izobretatel i Ratsionalizator, No 4, 1959, pp 8, 9.

*ATIC MCL-252/III

The Surface Tension of Aluminum and Its Alloys, by A. M. Korol'kov.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1956, pp 35-42.

ATS RJ-1301

Leaching of Alumina From Nephelines by Alkaline Solutions in the Presence of Lime, by V. D. Ponomarev, V. S. Sazhin, 11 pp.
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Tsvetnaya Metal, No 2, 1958, pp 93-100.

JPRS L-1754-D

An Investigation of the Heat Resistance of Certain Aluminum Wrought Alloys, by A. M. Zakharov.
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy Tsvetnaya Metal, No 1, 1959, pp 121-128.

*ATIC MCL-245/III

Scientific
Minerals/Metals (Contd)

The Efficiency of Electric Steel Production by the Duplex Method of Oxygen Converter and Electric Furnace, by S. D. Gagin.
RUSSIAN, per, Kislород, No 6, Moscow, 1957, pp 1-11.

British Iron and
Steel Ind 1282

A New Method of Preparing Metal Alloys, by G. I. Pogodin-Alekseyev, V. V. Zableyev-Zotov.
RUSSIAN, per, Lit Proiz, No 7, 1958, pp 25, 26.

*ATIC MCL-244/III

Optimum Composition of Alloy Al for the Casting of Pistons, by D. F. Lovtsov.
RUSSIAN, per, Lit Proiz, No 3, 1959, pp 12-14.

*ATIC MCL-247/III

On the Modification of Certain Aluminum Alloys, by L. Kubichek, et al.
RUSSIAN, per, Lit Proiz, No 5, 1959, pp 28-30

*ATIC MCL-246/III

Metallo-Thermal Method for the Production of a Zirconium Master Alloy, by A. I. Layner, et al.
RUSSIAN, per, Lit Proiz, No 5, 1959, pp 30-32.

*ATIC MCL-246/III

Refining of the Structure and the Elimination of Cracks in the Casting of Magnesium Alloys, by V. S. Astaulov, et al.
RUSSIAN, per, Lit Proiz, No 5, 1959, pp 33-39.

*ATIC MCL-246/III

Investigation of the Copper-Chromium-Zirconium Phase Diagram, by M. V. Zakharov, et al.
RUSSIAN, per, Metal i Obra Metal, No 3, 1956, pp 23-27.

ATS RJ-915

X-Ray Study of Thermal Expansion of Nickel-Chromium Alloys, by A. V. Progrushchenko.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg, No 1, 1958, pp 218-221.

*ACSI, H-4026

Temperature Threshold of Recrystallization of Nickel Alloys, by S. S. Gorelik.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg, No 1, 1958, pp 226-232.

*ACSI, H-4026

Scientific
Minerals/Metals (Contd)

The Role of Grains in the Destruction of Metals
at High and Low Temperatures, by V. S. Mes'kin.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg,
No 1, 1958, pp 233-238.

*ACSI, H-4026

Moduli of Elasticity of Iron-Vanadium Alloys, by
G. M. Ashmarik, B. N. Finkel'shteyn.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg,
No 1, 1958, pp 244-246.

*ACSI, H-4026

Distortions of the Crystal Lattice of Heat
Treated Steel, by Ye. L. Gel'perin, Yu. S.
Terminasov.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg,
No 1, 1958, pp 252-255.

*ACSI, H-4026

Solidification of Aluminum-Silicon Alloys With
the Help of Fluxes, by M. V. Sharov.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg,
No 1, 1959, pp 58-62.

*ATIC MCL-272/III

Investigating the Friction Coefficient When Rolling
Titanium and Its Alloys, by I. M. Pavlov, et al.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg,
No 1, 1959, pp 105-112.

*ATIC MCL-272/III

The Influence of Lithium Zinc and Magnesium Upon
the State of Aluminum Crystal Lattice, by N. I.
Varich.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metallurg,
No 1, 1959, pp 182-188.

*ATIC MCL-272/III

Patterns in the Distribution of Argillaceous
Minerals in the Chief Types of Soils of the USSR,
by N. I. Gorbunov,
RUSSIAN, per, Pochvovedenie, No 2, 1956, pp 75-89.

ATS RJ-934

The Influence of a Third Element on the Lattice
Parameters of Silver-Cadmium Alloys, by S. D.
Gertsriken, et al.
RUSSIAN, per, Sbornik Nauch Rabot Lab Metallofiz,
Ak Nauk Ukrain SSR, No 3, Kiev, 1952, pp 114-121.

ATS RJ-1753

Scientific
Minerals/Metals (Contd)

Current Methods of Beryllium Technology, by
G. F. Silina, et al.
RUSSIAN, per, Tsvetnyye Metally, Vol XXX, No 1,
1957, pp 66-71.

ATS RJ-1309

Characteristics of Lead Smelting in Electric
Furnaces, by A. P. Sychev, G. F. Platonov, 4 pp.
RUSSIAN, per, Tsvetnyye Metally, No 12, 1958,
pp 28-30.

JPRS L-1762-D

Homogenization of Dural Ingots in Modern Furnaces
With Air Circulation, by A. I. Kolpashnikov,
et al.
RUSSIAN, per, Tsvetnyye Metally, No 4, 1959,
pp 64, 65.

*ATIC MCL-271/III

Sixth Plenum of the Central Board of the
Scientific-Technical Society of Nonferrous
Metallurgy, by Yu. Ya. Olskiy.
RUSSIAN, per, Tsvetnyye Metally, No 4, 1959,
pp 90-93.

*ATIC MCL-271/III

Scale Formation on Iron and Iron Alloys at
High Temperatures, by V. I. Tikhomirov.
RUSSIAN, per, Vest Leningrad U, No 4, 1957,
pp 85-101.

ATS RJ-921

A Method of Analyzing Fatigue Fractures, by
A. M. Zaitsev.
RUSSIAN, per, Zavod Lab, Vol XXII, No 4,
1956, pp 472-478.

DSIR LLU M.377

Unidal, by H. Hug.
FRENCH, per, Alumin Suisse, No 4, Jul 1955,
pp 112-121.

Aluminium Lab, Ltd
B-TM-225-58

Corrosion in Water of Monocrystalline Aluminum
of High Purity, by Jean Herenguel, Pierre
Lelong, 3 pp.
FRENCH, per, Comptes Rendus, Vol CCXLVI, No 17,
1958, pp 2481-2484.

AEC Tr 3677

Scientific
Minerals/Metals (Contd)

Study of Reversion Phenomena in Age-Hardened Light Alloys, by R. Graf.

FRENCH, per, Rech Aero, No 60, 1957, pp 47-56.

Fulmer 113 OT/3444

The Behaviour of Aluminium Towards Common Organic Solvents, by K. Broockmann.

GERMAN, per, Aluminium, Vol XXXIV, No 1, 1958, pp 30-35.

TIL OT/3333

Production of Hot Rolled Wide Strip With Particular Reference to the Steckel Mill, by H. Winterkamp.

GERMAN, per, Stahl u Eisen, Nov 1954, pp 1492-1502.

British Iron and Steel Ind 1176

The Behaviour of Metal Bonded Joints, by K. Wellinger, V. Rembold.

GERMAN, per, Z VDI, Vol C, No 2, 1958, pp 41-46.

RAE Tr 771

Metallic Cementation (X) Cementation of Tungsten on Some Metals, by Tsutomu Kase.

JAPANESE.

*ACSI, H-4057

Metal Flow in Oblique Rolling, by S. Mise, et al.

JAPANESE, per, Sumitomo Metals, Jul 1957, pp 143-157.

British Iron and Steel Ind 1351

Migration of Tin in a Hypergenesis Zone, by B. F. Mitskevich.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrainskoy RSR, No 2, 1958, pp 213-215.

DSIR LLU RTS 1076

Comparative Investigation of Various Method of Activated Sintering of Reduced Iron, by R. O. Andriyevskiy.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrainskoy RSR, No 4, 1959, pp 392-394.

*ATIC MCL-261/III

Scientific
Nuclear Physics

Thermonuclear Reactions in a System With Magnetic Mirrors and the Question of Direct Transformation of Nuclear Energy Into Electrical Energy (Physical Principles and Preliminary Calculations), by G. I. Budker.

RUSSIAN, per, Ak Nauk SSSR, Fiz Plaz, Vol III, 1958, pp 1-31.

DSIR LLU M.360

High Capacity Proton-Synchrotron (Synchrophasotron), by V. Veksler, 6 pp.

RUSSIAN, np, Pravda, 24 Apr 1959, p 3.

AF 1255804

Space Charge Theory in a Betatron, by P. Gratreau, Ch. Maisonnier, 27 pp.

FRENCH, pamphlet, Theorie de la Charge d'Espace dans le Betatron, 13 pp.

AEC Tr 3708

Nuclear Resonance Absorption of Gamma Radiation in Ir^{191} , by Rudolf L. Moessbauer, 3 pp.

GERMAN, per, Naturwissenschaften, Vol XLV, 1958, pp 538, 539.

AEC Tr 3684

The Nuclear Resonance Gamma-Ray Fluorescence in Ir^{191} , by Rudolf L. Moessbauer, 30 pp.

GERMAN, per, Z. Physik, Vol CLI, 1958, pp 124-143.

AEC Tr 3685

Generation of a Beam of Hydrogen Atoms Having Unidirectional Spin. Analysis of the Beam. Proof of Maintenance of Polarization, by G. Clausnitzer, 23 pp

GERMAN, per, Z. Physik, Vol CLIII, 1959, pp 609-629.

AERE Lib Tr 815

Applications of Radioisotopes to Physical-Chemical Investigations, by J. M. Gamboa, 48 pp.

ITALIAN, per, Energia Nuclear, Vol I, 1957, pp 53-66.

AEC Tr 3719

Scientific
Physics

Unsteady Linear Movement of a Gas, by
L. I. Sedov.
RUSSIAN, bk. Metody Podobiya i Razmer-
nosti v Mekhanike, 1957, 320 pp.

Brown University

Spectral, Electrophotometrical and Radar
Investigation of Aurorae and Airglow.
RUSSIAN, bk. Spektralnyye, Elektrofotometriches-
kiye i Radiolokatsionnyye Issledovaniya Poly-
arnykh Siyaniy i Svecheniya Nochnogo Neba, 1959.

*ATIC MCL-243/III

Manual of Dosimetric, Radiometric and Electron-
Physics Instruments, Counters, Scintillators
and Photomultipliers, by Z. D. Andreyenko, (ed),
D. D. Uspenskiy, P. S. Savitskiy, V. I.
Sinitzyn, A. S. Shtan (compilers), (DC-2966).
RUSSIAN, bk. Spravochnik po Dozimetricheskim,
Radiometricheskim i Elektronno-Fizicheskim
Priboram, Stsintillyatoram i Fotoumnozhitelyam,
Moscow, 1959, 253 pp.

*JPRS

Heat Transfer and Heat Modulation, Editor M. A.
Mikheyev.
RUSSIAN, bk. Teploperedacha i Teplovoye Modeli-
rovaniye, 1959, 418 pp.

*ATIC MCL-222/V

Introduction to Cosmic Gas Dynamics, by F. A.
Baum, S. A. Kaplan, K. P. Stanyukovich, 649 pp.
RUSSIAN, bk. Vvedeniye v Kosmicheskuyu Gazodin-
amiku, Moscow, 1958, 424 pp.

ATIC F-TS-9951/V

Some Characteristics of Resonance Reflection of
Radio Waves From Meteoric Trails, by E. K.
Nemirova.
RUSSIAN, per, Byull Komissii po Kometam i
Meteoram Astronmicheskogo Soveta An SSSR,
No 2, 1958, pp 46-49.

*ATIC MCL-226/III

The X-Ray Examination of Coke, by A. E.
Bresler, et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
1952, pp 567-570.

Dept of Interior
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 241

Scientific
Physics (Contd)

A Primary Standard for Absolute Spectrophotometric Measurements, by G. F. Sitnik.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CX,
No 5, 1956, pp 780-782.

*ATIC MCL-238/LVI

The Longitudinal and Transverse Galvanomagnetic Effects Along the Principal Crystallographic Axes of an n-Type Germanium Single Crystal, by R. G. Annayev, A. Allanazarov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 1, 1958, pp 47-50.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

On the Magnetic Scattering of Thermal Neutrons Close to the Curie Point of Ferromagnets and Antiferromagnets, by M. A. Krivoglaz, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 1, 1958, pp 51-54.

(see above)

Scattering of Sound Waves in Irregular Waveguides, by A. D. Lapin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1, 1958, pp 55-58.

(see above)

On Zubarev's Method of Auxiliary Variables in Statistical Physics, by A. Pavlikovskiy, V. Shchuruvna, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 1, 1958, pp 61-64.

(see above)

On the Spin of the γ -Meson, by G. I. Plebanskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 1, 1958, pp 65-68.

(see above)

New Information of Streaming Birefringence Orientation in Polymer Solutions, by E. V. Frisman, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 1, 1958, pp 72-74.

(see above)

Action of Ionizing Radiation on Processes of Animation Deamination and Transamination, by R. D. Galtsova, M. N. Neysel', 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 1, 1958, pp 75-77.

(see above)

Scientific
Physics (Contd)

Dynamic Characteristics of Electric
Circuit Elements, by K. M. Polivanov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXVIII, No 1, 1958, pp 80-83.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

Crystal Structure of Astralunite, by
I. M. Rumanova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXVIII, No 1, 1958, pp 84.

(see above)

A Statistical Proof of the Equations
of Filtration Motion, by E. M. Minskiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXVIII, No 2, 1958, pp 255-258.

(see above)

The General Problem of Slowing-Down
Neutrons, by M. V. Maslennikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXVIII, No 2, 1958, pp 259-262.

(see above)

Electron Optical Shadow Method of Studying
the Potential Distribution in a p-n Junc-
tion, by V. N. Vertsner, L. N. Malakhov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 2, 1958, pp 266-268.

(see above)

On the Nature of Jerky Plastic Deformation
in Metallic Single Crystals, by E. D.
Shchukin, Yu. V. Goryunov, N. V. Pertsov,
V. N. Rozhanskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 2, 1958, pp 277-.

(see above)

Structure and Composition of the Carbide of
Low-Tempered Steel, by Yu. A. Skakov, I. N.
Chernikova, A. V. Sharshatkina, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 2, 1958, pp 284, 285.

(see above)

Secondary-Electron Multipliers for Long-Wave
X-Ray Recording, by A. M. Tyutikov, A. I.
Efremov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 2, 1958, pp 286-.

(see above)

Scientific
Physics (Contd)

Reflection and Refraction of an Elastic Wave of Arbitrary Form in the Case of a Curved Interface, by B. Ya. Gel'chinskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 458-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

Thermionic Emission From Carbon Particles, by A. A. Arshinov, A. K. Musin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 461-463.

(see above)

Critical Current for Superconducting Films, by V. L. Ginzburg, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 464-467.

(see above)

On a Plane Linear Problem of Generalized Hydrodynamics, by I. I. Moyseyev-Ol'khovskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 468-.

(see above)

The Effect of Fluorochromes on the Sensitivity of Cells to Radiation, by E. Ya. Grayevskiy, E. G. Zinov'yeva, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 476-.

(see above)

Internal Friction and Plastic Deformation of Overstressed Micro-Regions of a Solid, by R. I. Garber, T. T. Mogil'nikova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 479-482.

(see above)

On the Effect of Rate of Deformation and Relaxation on Internal Friction in Aluminum by Chen Khun-i, Bao Sen'ke, L. I. Vasil'yev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 3, 1958, pp 485-.

(see above)

Determination of the Intensity of Head Waves in the Theory of Elasticity by the Ray Method, by A. S. Alekseyev, B. Ya. Gel'chinskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 661-664.

(see above)

Scientific
Physics (Contd)

The Connections Between Stresses and Strains in Inelastic Media, by A. A. Vakulenko, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 665-668.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

The Asymptotic Properties of Self-Modeling Solutions of the Nonstationary Gas Filtration Equations, by Ya. B. Zel'dovich, G. I. Parenblatt, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 671-.

(see above)

Relaxation Processes in a System of Interacting Spins, by I. V. Aleksandrov, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 675-678.

(see above)

Dispersion Relations and the Production of Heavy Mesons and Hyperons, by M. K. Polivanov, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 679-682.

(see above)

The Electro-Acoustic Efficient of a Spark Discharge in Water, by N. A. Roi, D. P. Frolov. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 683-686.

RAE 795

Dependence of the Survival of Paramecium Caudatum on Their Number in Unit Volume on Irradiation by X-Rays, by E. G. Zinov'yeva, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 694-697.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

The Effect of Gamma-Rays on the Uptake of Vital Dyes by Reticulo-Endothelial Elements, by M. S. Konstantinova, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 698-700.

(see above)

Scientific
Physics (Contd)

The Action of Vitamin B₁₂ and Folic Acid on the Thromboplastic Activity of the Blood in Experimental Radiation Illness, by B. A. Kulryashov, G. V. Andreyenko, N. P. Sytina, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 701-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

On the Grinding of Glass With Soft Grinding Discs, by R. A. Govorova, E. P. Sen'kin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 705-708.

(see above)

Anomalous Dispersion of the Dielectric Constant in Feldspar, by V. A. Yoffe, G. I. Khvostenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4, 1958, pp 709-.

(see above)

The Long Period Luni-Solar Tide in the Pacific Ocean, by I. V. Maksimov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5, 1958, pp 888-890.

(see above)

The Formation of the Gaseous Tails of Comets, by D. O. Mokhnach, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5, 1958, pp 891-.

(see above)

Milne's Problem With an Arbitrary Indicatrix, by M. V. Maslennikov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5, 1958, pp 895-.

(see above)

An Investigation of Extensive Air Showers, by O. Dovzhenko, V. Zatsepin, E. Murzina, S. Nikol'skiy, I. Rakobol'skaya, E. Tukish, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5, 1958, pp 899-902.

(see above)

Scientific
Physics (Contd)

On the Theory of the Virial Development for
Non-Ideal Gases, by D. N. Zubarev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 5, 1958, pp 903-906.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

On the Theory of the Broadening of Spectral
Lines in a Plasma, by V. I. Kogan, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 5, 1958, pp 907-910.

(see above)

Plasma Radiation in a Magnetic Field, by B. A.
Trubnikov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 5, 1958, pp 913-.

(see above)

Direct Observation of the Deformation of
Intense Ultrasonic Waves in Liquids, by V. A.
Burov, V. A. Krasil'nikov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 5, 1958, pp 920-923.

(see above)

A Radio Image of the Sun With 3.2-cm Waves,
by V. V. Vitkevich, A. D. Kuz'min, A. E.
Salomonovich, V. A. Udal'tsov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 6, 1958, pp 1091-1093.

(see above)

A "Lunar" Radio Interferometer, by G. A.
Gurzadyan, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 6, 1958, pp 1094-.

(see above)

Inversion Formula for the Sommerfeld Integral,
by G. D. Malyuzhinets, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 6, 1958, pp 1099-.

(see above)

The Crystal Deformability Criterion and Adsorp-
tion Effects, by E. D. Shchukin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 6, 1958, pp 1105-.

(see above)

**Scientific
Physics (Contd)**

Experimental Verification of the Binomial Law of Friction, by G. I. Epifanov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 6, 1958, pp 1113-1115.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

Heat Emission in Pipes During Laminar Flow of a Liquid With Axial Heat Conduction Taken Into Account, by D. A. Labuntsov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 6, 1958, pp 1118-.

(see above)

On the Geometry of Compound Kinematic Chains, by Yu. F. Moroshkin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 33-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

Contribution to the Problem of Forced Pseudo-harmonic Oscillations of Rods on Elastically Compliant Supports, by V. A. Ivovich, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 42-45.

(see above)

Some Results of an Investigation of Elastic State Limits of Plastically Drawn Nickel Samples, by Yu. I. Yagn, O. A. Shishmarev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 46-48.

(see above)

Relation Between the Inversion Formulas for the Sommerfeld Integral and the Formulas of Kontorovich-Lebedev, by G. D. Malyuzhinets, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 49-51.

(see above)

On the Condition for Superconductivity in the Theory of Nuclear Matter, by N. N. Bogolyubov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 52-55.

(see above)

**Scientific
Physics (Contd)**

A Radiochemical Investigation of the Products of Lanthanum Fission by 660-Mev Protons, by A. K. Lavrukina, L. D. Karasavina, A. A. Pozdnyukov, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 56-58.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

On the Possible Existence of Several Phosphorescence Levels in Organic Luminophors, by V. A. Filipovich, B. Ya. Sveshnikov, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 59-61.

(see above)

Accumulation of Sugars in Wheat Leaves Under the Influence of X-Ray Irradiation, by I. M. Vasil'yev, N. D. Rybalka, Ts'in Su-Yun, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 62-64.

(see above)

The Effect of α -Particles of Radioactive Isotopes the Changes in Size of the Chloroplasts of *Elodea Canadensis*, by P. A. Vlasyuk, N. I. Bidzilia, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 65-67.

(see above)

Cyclic Repolarization Noise in Ferroelectric Materials, by I. A. Andronova, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 68-70.

(see above)

Diagram of the Fatigue Failure of Metals, by V. S. Ivanova, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 71-74.

(see above)

Structure of Thin Films of Sb_2S_3 Obtained by Sublimation in a Nitrogen Atmosphere at Pressures Below 4 mm Hg., by A. M. Reshetnikov, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 75-76.

(see above)

Scientific
Physics (Contd)

The Connection Between the Process of Carbide Formation in the Tempering of Steel and the Phenomenon of Reversible Temper Brittleness, by L. M. Utevskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1, 1958, pp 75-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

Relaxation of Tangential Stresses Along the Lateral Surface of a Loaded Pile Frozen in the Ground, by K. E. Egerev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2, 1958, pp 223-.

(see above)

Nonstationary Flow With Heat Transfer in a Viscous, Incompressible Fluid Between Two Revolving Discs Accompanied by Fluid Influx, by G. A. Tirskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2, 1958, pp 225-.

(see above)

Experimental Investigations Into the Influence of External Pressure Upon the Permeability of Oil-Bearing Rocks, by N. S. Gudok, M. M. Kusakov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2, 1958, pp 229-232.

(see above)

On the Question of Damping of Transverse Circulation, by M. S. Pokhsranyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2, 1958, pp 233-.

(see above)

Subharmonic Oscillations of Rods With Non-linear Inertia, by V. A. Ivovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2, 1958, pp 237-.

(see above)

Conversion Spectra of Neutron-Deficient Tb Isotopes, by I. M. Anton'yeva, A. A. Bashilov, B. S. Dzhelepov, B. K. Preobrazhenskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 2, 1958, pp 241-243.

(see above)

Scientific
Physics (Contd)

On a Variational Principle in the Many-
Body Problem, by N. N. Bogolyubov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1958, pp 244-246.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

On the Theory of the Bubble Chamber, by
Yu. Kagan, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1958, pp 247-250.

(see above)

Some Stationary Relativistic Flows, by
K. P. Sanyukovich, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1958, pp 251-.

(see above)

The Ways in Which Radiation Damage Appears
in the Early Development of Fish, by A. A.
Neyfakh, N. N. Rott, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1958, pp 261-264.

(see above)

Study of the Structure and Phase Constitution
of the Coating in the Hot Tinning of Sheet
Iron, by A. I. Virkin, T. P. Plotnikova, G. A.
Kokorin, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1958, pp 268-270.

(see above)

The Recrystallization Diagram of Rhenium,
by E. M. Savitskiy, N. A. Tylkina, K. B.
Povarova, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 2, 1958, pp 274-.

(see above)

The Effects of Surface Defects on the Propaga-
tion Rayleigh Waves, by I. A. Viktorov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 3, 1958, pp 463-465.

(see above)

On the Structure of the Proton, by B. B.
Dotsenko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 3, 1958, pp 466-468.

(see above)

Scientific
Physics (Contd)

**Formation of Plasma Structure in
a Developing Discharge**, by A. A.
Zaytsev, V. E. Mitsuk, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXIX, No 3, 1958, pp 469-470.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

Cyclotron Resonance in Films, by
E. A. Kaner, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 3, 1958, pp 471-474.

(see above)

**The Variational Principle in the New
Method in Theory of Superconductivity**,
by I. A. Kvasnikov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 3, 1958, pp 475-477.

(see above)

**On the Focusing of Charged Particle
Beams by High-Frequency Fields**, by
M. A. Miller, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 3, 1958, pp 478-480.

(see above)

**High-Q Precision Quartz Resonator With
Small Temperature Dependence of the
Frequency**, by I. G. Vasin, P. G. Pozdn-
yakov, M. I. Yaroslavskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 3, 1958, pp 481-483.

(see above)

**The Mechanism of Plastic Flow of Lead
and Tin in Conditions of Simple Shear**,
by V. I. Likhtman, V. S. Ostrovskiy,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 3, 1958, pp 484-487.

(see above)

**Investigation of the Temperature Stability
of Strain Distortions and the Kinetics of
the Softening of Friction Surfaces**, by
K. V. Savitskiy, M. P. Zagrebennikova,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 3, 1958, pp 490-.

(see above)

Scientific
Physics (Contd)

Stability of Inhomogeneous Elasto-Plastic Shells, by E. I. Grigolyuk, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 663-666.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

On the Nature of Continuous Emission, by L. V. Mirzoyan, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, pp 667-670.

(see above)

Calculation of the Nuclear Magnetic Shielding Constant, by I. V. Aleksandrov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 671-674.

(see above)

The Variational Principle in the Theory of Superconductivity, by I. A. Kvasnikov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 675-677.

(see above)

Exciton Energy in Ionic Crystals, by V. A. Moskalenko, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 678-681.

(see above)

General Relations Between Absorption and Emission the Modulation Spectra of Polyatomic Molecules, by B. S. Naporent, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 682-685.

(see above)

Interaction of Two Bodies Emitting Streams of Gas, by K. P. Stanyukovich, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 686-689.

(see above)

Approximate Equations for the Photon-Nucleon Scattering Amplitude, by A. N. Tavkhelidze, V. K. Fedyanin, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 4, 1958, pp 690-.

(see above)

Scientific
Physics (Contd)

On the Torsion of Cylindrical Shafts With Circular Recesses, by A. A. Skorobogat'ko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 896-898.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

Concerning the Nonsingularity of the Solution of the Submerged Airfoil Problem, by N. N. Moyseyev, A. M. Ter-Krikorov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 899-.

(see above)

Stable Equilibrium of Rods in the Mathematical Theory of Elasticity, by K. F. Voitsekhovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 903-906.

(see above)

On a Unified Interpretation of Different Types of Pulsating Variable Stars, by S. A. Zhevakin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 907-910.

(see above)

Structure of the Absorption and Photoconduction Spectra of CdS Crystals at 20°K, by V. L. Broude, V. V. Eremenko, N. N. Chikovani, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 911-913.

(see above)

An Investigation of the (n, α) and (n, t) Reactions in Be^9 , by S. S. Vasil'yev, V. V. Komarov, A. M. Popova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 914-917.

(see above)

On Fluctuations in Quartz Oscillators, by M. E. Zhabotinskiy, P. E. Zil'berman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5, 1958, pp 919-921.

(see above)

Scientific
Physics (Contd)

The Temperature Dependence of Some
Ferrite Properties in the Centimeter
Wave Region, by V. A. Kiseleva, E. I.
Kondorskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 5, 1958, pp 926-928.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

How the Pilot Fish Moves With the Speed
of the Shark, by V. V. Shuleykin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 5, 1958, pp 929-932.

(see above)

On Surface Layer Deformations in Sliding
Friction, by A. S. Radchik, V. S. Radchik,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 5, 1958, pp 933-935.

(see above)

On the Theory of Gas Jets, by L. N.
Sretenskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 6, 1958, pp 1113, 1114.

(see above)

The Nonlinear Problem of the Theory of a
Submerged Airfoil, by A. M. Ter-Krikorov,
7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 6, 1958, pp 1115-.

(see above)

Local Torsional Stresses in a Prismatic
Circular Beam With an Eccentric Elliptical
Hole, by Yu. A. Amenzade, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 6, 1958, pp 1118-1121.

(see above)

Plane Deformation of Incompressible Material,
by L. A. Tolokonnikov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 6, 1958, pp 1124-1126.

(see above)

Emission From Tb^{160} , by M. P. Avotina,
E. P. Grigor'yev, A. V. Zolotavin,
B. Kratsik, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXIX, No 6, 1958, pp 1127-1130.

(see above)

Scientific
Physics (Contd)

Ionization of Fast Neutral Potassium Atoms
in Collisions With Argon Atoms and Hydro-
gen, Nitrogen, and Oxygen Molecules, by
Yu. F. Bydin, A. M. Bukhteyev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 6, 1958, pp 1131-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

The Equations of the Steady Asynchronous
Operation of Electric Systems, by S. V.
Strakhov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,
No 6, 1958, pp 1145-.

(see above)

On the Theory of Impacts of Cylinders, by
V. A. Sveklo, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 47-50.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

Wing of Finite Span With a Symmetrical
Profile in Compressible Flow, by E. A.
Krasil'shchikova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 51-53.

(see above)

On the Polarized Light in the Emission
Lines Excited by the Synchrotron Radiation
of Relativistic Electrons in Variable
Stars, by I. M. Gordon, L. D. Pichakhchi,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 55-58.

(see above)

On Wick's Problem, by M. V. Maslennikov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 59-62.

(see above)

On the Theory of the Diffusion of Radiation
in a Semi-Infinite Medium, by I. N. Minin,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 63-65.

(see above)

Scientific
Physics (Contd)

Absolute Oscillator Strengths of the
Resonance Lines of MgI, CaI, SrI,
and BaI, by Yu. I. Ostrovskiy, N. P.
Penkin, L. N. Shabanova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXX, No 1, 1958, pp 66-68.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

Diffusion of Radiation in a Flat Layer,
by V. V. Sobolev, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 69-72.

(see above)

Experiments to Produce Element 102, by
G. N. Flerov, S. M. Polikanov, A. S.
Karamyan, A. S. Pasyuk, D. M. Parfano-
vich, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 73-75.

(see above)

On the Temperature Dependence of the
Thermal Conductivity of Selenium Con-
taining Additions of Chlorine, by G. M.
Alyev, G. B. Abdullayev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXX, No 1, 1958, pp 76-78.

(see above)

The Application of the Method of Spec-
imens of Variable Composition to the Study
of Ternary Alloys, by L. S. Palatnik,
G. V. Federov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 1, 1958, pp 79-.

(see above)

Stresses in a Symmetrically Heated Spherical
Shell Whose Mechanical Properties Depend on
Time and Temperature, by M. I. Rozovskiy, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2,
1958, pp 265-.

(see above)

On the Theory of Superconductivity of Metals,
by S. V. Vonsovskiy, M. S. Svirskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 2, 1958, pp 269-272.

(see above)

Abstracts
Physics

On a Variational Principle in the
Statistical Problem of Many Bodies,
by I. A. Kvasnikov, V. V. Tolmachev,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 2, 1958, pp 273-276.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

On the Motion of Bodies at High Velocities
in a Weak Gravitational Field, by K. P.
Shtanyukovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 2, 1958, pp 277-.

(see above)

The Variations in Short-Range Order Structure
in the Precrystallization Period of Semi-
conductor Chemical Compounds With ZnS Type
of Lattice, by D. A. Petrov, V. M. Glazov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 2, 1958, pp 293-.

(see above)

Electrical Properties of a Dielectric With
a Variable Number of Relaxators, by N. P.
Bogoroditskiy, Yu. M. Volokobinskiy, I. D.
Fridberg, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 3, 1958, pp 487-490.

(see above)

Peculiarities of the Motion of Fast Current
Carriers in Polar Crystals, by Yu. I. Gorkun,
K. B. Tolpygo, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3,
1958, pp 491-494.

(see above)

On the Conditions for the Existence of Stig-
matic Imaging in Electron-Optical Systems
With Curvilinear Axes, by P. P. Kasyankov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3,
1958, pp 497-500.

(see above)

Dispersion Relations for Reactions With a
Variable Number of Particles, by A. A. Logunov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 3,
1958, pp 501-503.

(see above)

Scientific
Physics (Contd)

Local Reflection in Waveguides
of Variable Cross Section, by
V. Pokrovskiy, F. Ulinich,
S. Savvinykh, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXX, No 3, 1958, pp 504-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

Adaptation for Movement and the Turning
Ability of Fish, by Yu. G. Aleyev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 3, 1958, pp 510-513.

(see above)

The Effect of Fractionated X-Ray Dosage
on Mouse Ovaries, by O. N. Kitayeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 3, 1958, pp 514-517.

(see above)

Distortion of the Crystal Structure of
Copper and Its Solid Solutions on De-
formation, by L. N. Guseva, A. A. Babareko,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 3, 1958, pp 518-520.

(see above)

Polygonization of Cast Metals and Alloys,
by B. A. Movchan, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 3, 1958, pp 521, 522.

(see above)

C-H Distance in the Crystal Structure of
Paraffins, by B. K. Vaynshteyn, A. N.
Lobachev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 3, 1958, pp 523-525.

(see above)

On the Stability of Elastic Plates in a
Supersonic Stream, by Dun Min-De, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 726-729.

(see above)

On the Propagation of Disturbances in Media
Having a Nonlinear Dependence of the Stresses
on the Strains and Temperature, by G. Ya.
Galín, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 730-733.

(see above)

Physics

Magnetic Discharge in Planetary Nebulae,
by G. A. Gerasimovich, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 725-730.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

Analytic Properties of the Process
Amplitude for Variable Number of Particles,
by A. A. Legunov, A. N. Tavkhelidze, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 735-.

(see above)

Equilibrium Ionization of Particles, by
A. A. Archinov, A. K. Musin, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 747-750.

(see above)

Temperature Dependence of the Coercive Force
in Thin Specimens of Nickel and Ferronickel
Alloys, by E. Kondorskiy, M. Rosenberg, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 753-756.

(see above)

Brittle Fracture of Single Crystals of Zinc,
by V. I. Likhtman, L. A. Kochanova, L. S.
Bryukhanova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 757-.

(see above)

Investigation of Absorption Spectra of the
Fluorescence of Plant Leaves in the Region
400-650 mμ, by P. F. Litvin, A. A. Krasnovskiy,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 761-.

(see above)

Temperature Stabilization of the Magnetic
Properties of Permalloy, by I. M. Puzel,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 4, 1958, pp 765-770.

(see above)

Experimental Investigations of Water and Water
Vapor Heat Capacity c_p at High Pressures and
Temperatures, by D. S. Rasskazov, A. E.
Sheindlin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,
1958, pp 771-.

(see above)

On Motions With Inhomogeneous Deformation in
Magneto-Hydrodynamics, by A. G. Kulikovskiy,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, pp 984-.

Azer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

On the Relation Between Stress Tensors and
Rates of Straining in the General Cases of
Large and Small Deformations, by G. I.
Gurevich, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, p 987-.

(see above)

On the Theory of the Phase Transition in a
Nonideal Bose Gas, by D. N. Zubarev, Yu. A.
Tserkovnikov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, pp 991-994.

(see above)

On the Nonlinear Theory of Elementary Par-
ticles, by D. Ivanenko, A. Brodskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, pp 995-998.

(see above)

A Method of Determining the Mean Kinetic
Energy of Electrons in the Druyvesteyn-
Davydov Distribution, by G. Rotman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, pp 999-.

(see above)

Changes in the Aklali Reserve of the Blood
in Animals With Acute Radiation Sickness, by
L. N. Marich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, pp 1003-.

(see above)

Electrical Properties and Structure of
Transitional Forms of Carbon, by V. I.
Kasatochkin, A. T. Kaverov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 5, 1958, pp 1007-1010.

(see above)

On the Formation of Austenite in the
Transformation of Martensite Crystal in
the Process of Formation, by B. Ya. Lyubov,
A. A. Rejzburd, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1011-1014.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

On the Kinetics of the Processes of Repeated
Dissolution of an Al-Cu Solid Solution,
by L. S. Palatnik, B. T. Boyko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1015-.

(see above)

On Chandrasekhar's Spectral Representation
of Axially Symmetric Turbulence, by A. A.
Kovalev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1220-1223.

(see above)

On Limiting Solutions Near a Singular Point,
by M. L. Lidov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1224-.

(see above)

The General Case of Stationary Visual Density
Distribution in the Head of a Comet Which
Exhibits Constant Isotropic Emission, by
D. O. Koldanov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1226-.

(see above)

Development of a Method of Determining the
Relaxation Time of an Excited Molecular
Vibrational State by Means of a Spectro-
phone, by P. V. Slobodskaya, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1238-1241.

(see above)

Influence of the Position and Nature of the
Substituent on the Fluorescence Spectra of
Anthraquinone Derivatives in Frozen Solutions,
by D. N. Shigorin, N. A. Shekuglova, R. N.
Kuznetsov, N. S. Dokunikhin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX,
No 6, 1958, pp 1242-.

(see above)

On the Relation Between the S-Matrix and
Potential for the One-Dimensional Schrod-
inger Operator, by L. D. Faddeyev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 1, 1958, pp 69-.

Auer Inst of Phys
Sov Phys - Doklady
Vol III, No 4

On the Simultaneous Observation of the Raman
Spectrum and Fluorescence, by P. P. Shorygin,
T. M. Ivanova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 1, 1958, pp 63-.

(see above)

Causes of Death in Infusorians Under the
Influence of X-Rays, by E. G. Zinovyeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 1, 1958, pp 70-.

(see above)

The Effect of N-Phenylamide Thiophene-2-
Carboxylic Acid on the Resistance of Mice
Exposed to Lethal Doses of Co^{60} Gamma-Rays,
by St. Robov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1,
1958, pp 80-83.

(see above)

Frictional Properties of Rubber-Like Polymers,
by G. M. Bartenev, Z. E. Styran, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 1, 1958, pp 84-.

(see above)

The Mechanism of Electrostatic Charging, by
I. H. Inyanitov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 1, 1958, pp 87-90.

(see above)

The Mechanism of Electrostatic Charging, by
I. H. Inyanitov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 1, 1958, pp 93-96.

(see above)

Scientific
Physics (Contd)

Investigation of Diffusion and Diffusionless Transformations in Amorphous Films of Antimony, by L. S. Palatrik, V. M. Kosevich, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1, 1958, pp 97-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 4

An Investigation, Using Probability Theory, of a Two-Stage Truck-Hunting Telephone System With Refused Calls, by G. P. Escharin, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 1, 1958, pp 101-.

(see above)

Normal Coordinates of a Crystal Lattice When Retarded Interactions are Taken Into Account, by V. S. Mashkevich, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 247-249.

(see above)

On a Variational Principle in the Many-Body Problem, by S. V. Tyablikov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 250-.

(see above)

Scale Factor and Strength of Glass, by G. M. Bartenev, L. P. Tsepkov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 260-263.

(see above)

Structure of the Energy Spectrum of Electrons in Iron-Chromium Alloys, by N. D. Borisov, V. V. Nemoshkalenko, A. M. Fefer, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 264-267.

(see above)

The Influence of Internal Friction on the Fatigue Failure of Cyclically Deformed Members, by Ya. S. Podstrigach, M. I. Chayevskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 268-270.

(see above)

Scientific
Physics (Contd)

Experimental Observation of the Sources of Dislocations by Means of Precipitates, by V. G. Rakin, N. N. Buynov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 271-273.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 4

The Relationships in the Damping of Torsional Oscillations of Metal Wires, by V. N. Rozhanskiy, N. V. Dekartova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 274-276.

(see above)

The Acceptor Role of Iron in An Iron-Carbon Alloy, by I. N. Frantsevich, D. F. Kalinovich, I. I. Kovenskiy, V. V. Penkovskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 277-.

(see above)

Multiplex Limited Number Distribution of Busy Lines in the Second Cascade Switchboard in a Telephone System With Refusals, by G. P. Basharin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 280-283.

(see above)

Analysis of Commutation in Connection With Contact Conductivity in Machines With Commutators, by M. I. Romanov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 284-.

(see above)

Layered-Spiral Vaporization of Crystals, by E. D. Dukova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 288-290.

(see above)

Temperature Changes of Intermolecular Distances in Paraffin $n\text{-C}_{30}\text{H}_{62}$. Refinement of the Form of the Molecule in Paraffins, by A. I. Kitaygorodskiy, Yu. V. Mnyukh, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2, 1958, pp 291-.

(see above)

Scientific
Physics (Contd)

Excitation, Reflection and Emission of
Surface Waves From a Wedge With Given
Face Impedances, by G. D. Malyuzhinets,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 3, 1958, pp 436-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 4

On the Character of Arc Discharges in Inert
Gases, by V. N. Egorov, V. N. Kolesnikov,
N. N. Sobolev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 3,
1958, pp 440-442.

(see above)

Creep of Zinc Single Crystals Under Liquid
Films of Low-Melting Metals, by V. A. Labzin,
V. I. Likhtman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 3,
1958, pp 443-445.

(see above)

Absorption and Luminescence of a Harmonic
Oscillator, by B. I. Stepanov, V. P. Gribkov-
skiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 3, 1958, p 446-.

(see above)

The Effect of X-Irradiation on Chlorophyll
and Hemicellulose Content of Wheat Leaves, by
I. M. Vasilyev, Ts'ing Su-Yun, N. D. Rybalka,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 3, 1958, pp 450-.

(see above)

Interactions Between 9-Bev Protons and Free
and Bound Emulsion Nucleons, by N. P.
Bogachev, S. A. Bunyatov, Yu. P. Merekov,
V. M. Sidorov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 4, 1958, pp 617-620.

(see above)

On a Classical Model of an Indefinite Metric,
by B. V. Medvedev, M. K. Polivanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI,
No 4, 1958, pp 623-626.

(see above)

Scientific
Physics (Contd)

Theory of the Formation of a Latent Electrophotographic Image and the Reciprocity Law, by V. M. Fridkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4, 1958, pp 627-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 4.

On the Nature of the Destructive Processes in Mouse Spleen Caused by the Action of X-Rays, by N. F. Barakina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4, 1958, pp 631-.

(see above)

Polar Spectrohydronephelometer, by V. B. Veynberg, N. M. Dul'neva, P. N. Meyngard, V. L. Yakovenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 4, 1958, pp 634-.

(see above)

On the Application of Multistage Electron-Optical Image Amplifiers in Astrophysics, by M. M. Butslov, E. K. Zavoyskiy, A. A. Kalinyak, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 815-818.

(see above)

On the Production of High-Energy Particles and Hard Radiation in Solar Flares, by A. B. Severnyy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 819-.

(see above)

Calculation of the Nuclear Magnetic Shielding Constant of Certain Molecules, by I. V. Aleksandrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 823-.

(see above)

The Effect of Irradiation on the Activity of Certain Enzymes Localized in the Structures of Pacinian Corpuscles of Cat Mesentery, by L. A. Afrikanova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 834-836

(see above)

Scientific
Physics (Contd)

An Investigation of Cell Radiosensitivity With Repeated Exposures to **Ionizing Radiation**, by E. Ya. Grayevskiy, E. G. Zinovyeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 837-840.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 4

Reactive Changes in Certain Elements of Mammalian Testes Following X-Rays, by A. M. Rastvorova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 841-.

(see above)

Problems of the Heating of Material in Beds in Shaft Installations, by N. S. Vavilov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 845-847.

(see above)

Regarding Electron-Hole Junctions in Solid State Point-Contact Rectifiers, by V. G. Mel'nik, I. G. Mel'nik, S. S. Gutin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 5, 1958, pp 852-854.

(see above)

Concerning Riemann Waves in Magnetohydrodynamics, by A. G. Kulikovskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 6, 1958, pp 987-.

(see above)

$O^+ \rightarrow O$ Transition in Ca^{40} , by B. S. Dzhelepov, V. P. Prikhodtseva, Yu. V. Khol'nov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 6, 1958, pp 995-997.

(see above)

Scientific
Physics (Contd)

A Nuclear Magnetic Resonance Generator
in the Earth's Magnetic Field, by F. I.
Skripov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXI, No 6, 1958, pp 958-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 4

Solubility of Carbon in -Iron, by
E. F. Petrova, M. I. Lapshina, L. S.
Shvartsman, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXI, No 6, 1958, pp 1021-.

(see above)

Invariants of Homogeneous Isotropic
Turbulence in a Compressible Viscous
Fluid, by K. A. Sitnikov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 1, 1958, pp 29-32.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

On the Exact Solutions of the Equations
of One-Dimensional Gas Dynamics With
Shock and Detonation Waves, by I. S.
Shikin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 1, 1958, pp 33-.

(see above)

Certain Questions on the Large Deforma-
tion Stability of Shells, by I. I.
Vorovich, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 1, 1958, pp 37-.

(see above)

On the Luminosities of Hot Stars, by
V. V. Sobolev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 1, 1958, pp 41-.

(see above)

On Thirring's Two-Dimensional Model, by
M. E. Mayer, D. V. Shirkov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 1, 1958, pp 45-.

(see above)

Scientific
Physics (Contd)

An Electron-Microscope Study of Ferro-
electric Domain Structure, by G. V.

Spivak, E. Igras, I. S. Zheludev,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 1, 1958, pp 54-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

Changes in the Peripheral Blood Picture
of Mice Subjected to Total-Body Irradia-
tion With Spleen-Shielding and to Local
Irradiation of the Spleen, by Z. N.

Faleyeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 1, 1958, pp 65-.

(see above)

Theory of the Development of Real Micro-
cracks in Solids During Deformation, by
D. I. Shil'krut, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 1, 1958, pp 69-.

(see above)

On the Nonstationary Motion of Gas Dis-
placed by a Piston, Taking Counter-Pressure
Into Account, by N. N. Kochina, N. S.

Mel'nikova, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 2, 1958, pp 192-.

(see above)

Defects of Direct Methods in the Nonlinear
Theory of Shells, by I. I. Vorovich, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 2, 1958, pp 196-.

(see above)

Allowance for Pseudo-Trident Processes in
the Estimation of the Direct Cross Section
for Electron-Positron Pair Production by
Electrons, by V. A. Tumanyan, V. A. Zharkov,
G. S. Stolyarova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 2, 1958, pp 208-.

(see above)

Alteration in the Sex Ratio of Mice as a
Possible Result of Gamma-Irradiation of
Embryos, by F. B. Shapiro, N. I. Shapiro,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 2, 1958, pp 215-.

(see above)

Scientific
Physics (Contd)

On the Role of External Stress in Softening During Plastic Deformation, by M. E. Makogon, V. E. Panin, V. F. Sukhovarov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 2, 1958, pp 219-221.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

A New Law of Creep Rupture, by I. A. Odintsov, V. N. Geminov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 2, 1958, pp 222-.

(see above)

Local Stresses in the Bending of a Circular Prismatical Beam With an Elliptical Noncoaxial Hole, by Yu. A. Amenzade, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3, 1958, pp 356-.

(see above)

On the Possible Existence of a Second Neutral π -Meson, by A. Baldin, P. Kabir, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3, 1958, pp 361-364.

(see above)

On the Equilibrium Angular Distribution Function Particles in a Cascade Shower, by I. P. Ivanenko, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3, 1958, pp 367-370.

(see above)

On the Internal Instability of Cold Cathode Arcs, by I. G. Kesayev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3, pp 371-374.

(see above)

An Investigation of the Mechanism for Inert Gas Separation in a DC Discharge, by S. E. Frish, N. A. Matveyeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3, 1958, pp 375-.

(see above)

Scientific
Physics (Contd)

On the Anti-Radiation Protective Action
of Substances Blocking Oxygen Transport
by Hemoglobin, by E. Ya. Gruyevskiy,
M. M. Konstantinova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII. No 3, 1958, pp 381-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

Interatomic Interaction in Iron-Chromium
System Alloys, by A. G. Lesnik, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 3, 1958, pp 385-388.

(see above)

The Question of the Study of Fine Crystal
Structure From the Intensity of Diffraction
Lines of Pure Metals, by L. V. Tikhonov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 3, 1958, pp 389-.

(see above)

The Nature of the Scale Effect in Ice and
the Strength of the Ice Sheet, by V. V.
Lavrov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 4, 1958, pp 570-.

(see above)

Sensitivity to X-Irradiation of Microspores
of Tradescantia Paludosa at Different
Phases of the First Postmeiotic Mitosis,
by N. L. Delone, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 4, 1958, pp 582-585.

(see above)

The Effect of Radioactive Strontium on the Survival
and Multiplication of Daphnia Magna, by G. D.
Lebedeva, S. G. Sinevid, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 4,
1958, pp 586-588.

(see above)

Some Features of the Action of Ionizing Radia-
tion on the Nuclear Apparatus of the Sex Cells
of Male Monkeys, by G. G. Tinyakov, M. A.
Arsen'yeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 4, 1958, pp 589-.

(see above)

Scientific
Physics (Contd)

Factors in the Formation of Metastable
Phases in Titanium-Base Alloys, by Yu.
A. Bagaryatskiy, G. I. Nosova, T. V.
Tagunova, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 4, 1958, pp 593-596.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

On the Discontinuity in Fatigue Curves
of Duralumin, by V. I. Shabalin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 4, 1958, pp 600-.

(see above)

An Approximate Analytical Expression for
Two-Dimensional Supersonic Gas Flows,
by O. S. Vorob'yev, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, 1958, pp 770-781.

(see above)

On Some Properties of Axially Symmetric
Supersonic Gas Flows, by Yu. D. Shmyglev-
skiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, 1958, pp 782-.

(see above)

Characteristics of Electromagnetic Cascades
in Photoemulsions With Account of the In-
fluence of the Medium on the Radiation Process,
by A. A. Varfolomeyev, D. I. Golenko, I. A.
Svetlilobov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, 1958, pp 785-787.

(see above)

The 27-Day Cosmic Ray Period in the Strato-
sphere, by S. N. Vernov, V. F. Tulinov,
A. N. Charakhch'yan, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, 1958, pp 788-791.

(see above)

On the Possibility of a Preferential Ac-
celeration of Heavy Elements in Cosmic Ray
Sources, by A. A. Korchak, S. I. Syrovat-
skiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, 1958, pp 792-.

(see above)

Scientific
Physics (Contd)

Age Peculiarities in the Structure of
Monkey Testes and Their Reactions to
Ionizing Radiation, by G. G. Tinyakov,
M. A. Arsen'yeva, Yu. S. Bocharov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXII, No 5, 1958, pp 799-801.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

Estrogens and the Natural Radiosensitivity
of Mice, by N. I. Shapiro, E. M. Bocharova,
N. N. Kuznetsova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, No 5, Vol
CXXII, 1958, pp 802-.

(see above)

The Atomic Structure of Solid Solutions of
Chromium in Nickel, by Yu. A. Bagaryatskiy,
Yu. D. Tyapkin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, 1958, pp 806-.

(see above)

A Practical Criterion of Stability in Finite
Self-Gravitating Stellar Systems, by G. M.
Idlis, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 6, 1958, pp 997-.

(see above)

Thermodynamics of Superconductors, by D. N.
Zubarev, Yu. A. Tserkovnikov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 6, 1958, pp 999-1002.

(see above)

Theory of Multiple Production of Elementary
Excitations, by V. T. Khozyainov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 6, 1958, pp 1003-.

(see above)

The Relationship Between the Work Function
of the Hexaborides of the Alkaline- and Rare-
Earth Metal and Their Electronic Structure,
by G. V. Samsonov, V. S. Neshpor, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 6, 1958, pp 1021-.

(see above)

Scientific
Physics (Contd)

Gas Flow From a Vessel With Plane Walls
Forming a Small Angel 20° , by A. Arynov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 1, pp 42-46.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 6

Potential Steady Relativistic Gas Flows, by
F. I. Frankl', 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 1, 1958, pp 47-.

(see above)

Torsional Stability of an Orthotropic Shell
Under Internal Pressure, by V. M. Darevskiy,
S. H. Kukudzhanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 1, 1958, pp 49-.

(see above)

Critical Cross Sections in Irregular Waveguides,
by B. Z. Katsenelenbaum, 73 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 1, 1958, pp 53-.

(see above)

The Effect of X-Rays on the Histamine-
Binding Capacity of Tissues, by E. I.

Krichevskaya, G. V. Kapitonova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 1, 1958, pp 68-.

(see above)

The Coefficient of Absorption of Co^{60} γ -Rays
by Semiconductors, by B. I. Boltaks, B. T.
Plachenov, E. V. Semenov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 1,
1958, pp 72-75.

(see above)

The Crystal Structure of Natrochalcite NaCu_2
 $(\text{OH})(\text{SO}_4)_2 \cdot \text{H}_2\text{O} = \text{Na}(\text{SO}_4)_2 [\text{Cu}_2, \text{OH}, \text{H}_2\text{O}]$,
by I. M. Rumanova, G. F. Volodina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 1, pp 78-.

(see above)

The So-Called "Period-Luminosity" Relationship
of Cepheids, by S. A. Zhevakin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 2, 1958, pp 252-255.

(see above)

Scientific
Physics (Contd)

Study of the Composition of the Phases
of Meteoric Iron by the Method of
Local X-Ray Spectral Analysis, by

A. A. Yavnel', I. B. Borovskiy, N. P.
Il'in, I. D. Marchukova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXIII, No 2, 1958, pp 256-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III. No 6

The Work Hardening of Metals in Cutting
With a Lubricant, by V. D. Kuznetsov,

A. I. Loskutov, S. M. Pavlova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 2, 1958, pp 272-274.

(see above)

Measurement of Impedance and Frequency With
the Aid of a Double Phase Shifter, by A. I.
Fyurstenberg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 2, 1958, pp 275-.

(see above)

On the Application of the Method of Singu-
larities to the Calculation of Fluid Flow
in Radial-Axial Turbines, by S. V.
Vallander, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 3, 1958, pp 413-.

(see above)

The Uniqueness of the Symmetrical Solution
in the Problem of the Large Deflection of a
Symmetrically Loaded Circular Plate, by
N. F. Morozov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 3, 1958, pp 417-.

(see above)

Cosmic Radiation Products in the Sikhote-
alin Meteorite, by E. K. Gerling, L. K.
Levskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 3, 1958, pp 420-423.

(see above)

The Age of Meteorites, by I. E. Starik,
M. M. Shats, E. V. Sebotovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 3, 1958, pp 424-.

(see above)

Scientific
Physics (Contd)

Regarding the Absorption Coefficient
(Decrease in Intensity) of Beta-Rays
in Semiconductors, by B. I. Boltaks,
V. I. Sokolov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXIII, No 3, 1958, pp 446-448.

Amer Inst of Phys
Sci Phys - Doklady
Vol III, No 6

Study of the Mn $K\alpha$ -Spectrum in Alloys of
the Mn-Ni System, by V. A. Kazantsev, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXIII, No 3, 1958, pp 449-452.

(see above)

The Nature of the Solid Solution of Boron
in Alpha-Iron, by A. K. Shevelev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 3, 1958, pp 453-.

(see above)

The Formation of Streaming Fluctuations
Behind a Solid Obstacle, by V. N. Arkhipov,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 4, 1958, pp 620-.

(see above)

The Stability of Cylindrical Shells From the
Standpoint of the Mathematical Theory of
Elasticity, by K. F. Voitsekhovskaya, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 4, 1958, pp 623-626.

(see above)

On an Explosion in an Unbound Compacting
Medium, by A. N. Romashov, V. N. Rodyonov,
A. P. Sukhotin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR Vol CXXIII,
No 4, 1958, pp 627-.

(see above)

Superfluid State of the Atomic Nucleus,
by V. G. Solov'yev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 4, 1958, pp 652-.

(see above)

The Effect of Ultrasound on Various Proteins
and Amino Acids, and Its Dependence on the
Nature of the Gases Present, by I. E.
El'piner, A. V. Sokol'skaya, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 4, 1958, pp 659-.

(see above)

Scientific
Physics (Contd)

The Effect of Surface-Active Media on the Surface Hardening of Metals, by G. I. Epifanov, N. I. Glagolev, P. A. Rebindar, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 4, 1958, pp 663-666.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 6

Study of the $K_{\beta 5}$ -Band and the K-Absorption Edge of Metallic Nickel on Passing Through the Curie Point, by V. A. Kazantsev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 4, 1958, pp 667-670.

(see above)

High-Temperature Impulse Light Source, by A. A. Mak, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 4, 1958, pp 671-.

(see above)

Microstructure of Stresses in Lines of Slip and Dislocation, by V. L. Indenborn, G. E. Tomilovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 4, 1958, pp 673-.

(see above)

On the Evaporation of Solid Globules in a Gas Flow, by V. I. Zubkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 803-.

(see above)

On the Stability of Dynamically Loaded Cylindrical Shells, by A. S. Vol'mir, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 806-808.

(see above)

The Effect of Nonuniform Heating on Stress Variation in Creep, by B. F. Shorr, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 809-.

(see above)

On a Plane Linear Boundary Value Problem of Generalized Hydrodynamics (Theory of the Ultrasonic Interferometer), by I. I. Ol'khovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 821-824.

(see above)

Scientific
Physics (Contd)

The Electrons That Produce the Hard X-Radiation of Powerful Pulsed Discharges, by I. M. Podgorny, N. G. Koval'skiy, V. E. Pal'chikov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 825-827.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 6

The Faraday Effect and Mott Excitons, by A. G. Samoilovich, L. L. Korenblit, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 828-831.

(see above)

Nonstationary Planar Currents in a Polytropic Gas Having Rectilinear Characteristics, by A. F. Sidorov, N. N. Yanenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, pp 832-834.

(see above)

Heat Transfer Between the Normal and Superfluid Phases of Liquid Helium, by V. T. Khozyainov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 835-837.

(see above)

Dispersion Relations for the Production of π^- -Mesons, by V. Tsellner, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 5, 1958, pp 838-.

(see above)

On a Single Particular Solution of Ideal Plasticity Theory in Cylindrical Coordinates, by D. D. Ivlev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6, 1958, pp 988-990.

(see above)

Mixed Boundary Value Problem for an Elastic Lamina, by Ya. S. Uflyand, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 6, 1958, pp 991-.

(see above)

Scientific
Physics (Contd)

A General Expression for the Phase
Density of Finite Stationary Axially
Symmetric Self-Gravitating Stellar
Systems and Their Differential Axial
Rotation, by G. M. Tdlis, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXXIII, No 6, 1958, pp 994-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 6

On the Correlation Functions for a System
of Identical Charged Particles, by V. P.
Galaiko, L. E. Pargamanik, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 6, 1958, pp 999-.

(see above)

Local and Distance Effects of Whole-Body
Roentgen Irradiation in the Production of
Injury to the Ovaries in Mice, by O. N.
Petrova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 6, 1958, pp 1018-.

(see above)

Temperature of the Spark-Discharge Channel,
by M. P. Vanyukov, A. A. Mak, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII,
No 6, 1958, pp 1022-.

(see above)

Heat Transfer in Boiler Furnaces, by P. K.
Konakov.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 3, 1952, pp 367-373.

DSIR LLU M.373

An Approximate Study of the Transient Pro-
cesses in Non-Linear Systems of the Second
Class, by Ye. I. Khlypalo, 7 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 10, 1958, pp 5-11. 9040339

DSI 490
(British)

Full Translation of Soviet Periodical
Iz Ak Nauk SSSR, Ser Fiz, Vol XXII, No 5,
1958.

Columbia Tech

Scientific
Physics (Contd)

On the Activity of Incompletely
Wettable Condensation Nuclei, by
L. Krystanov, 12 pp.
RUSSIAN, per, Met i Gid, No 12,
1957, pp 16-21.

ATIC F-TS-9876/V

On the Use of Radioactive Indicators in
the Study of Reactive Diffusion, by A. A.
Zhukhovitskiy, A. D. Sotskov.
RUSSIAN, per, Nauch Dok Vysshey Shkoly,
Metallurg, No 1, 1958, pp 211-217.

*ACSI, H-4026

On the Nature and Determination of the
Thermionic "A" Constant, by B. V.
Bondarenko.
RUSSIAN, per, Nauch Dok Vysshey Shkoly,
Radiotekhnika i Elektronika, No 3,
1958, pp 184-191.

*ATIC MCL-266/III

The Thermionic Emission of an Oxide-
Coated Cathode in Ionic Devices, by
V. D. Sobolev.
RUSSIAN, per, Nauch Dok Vysshey Shkoly,
Radiotekhnika i Elektronika, No 3, 1958,
pp 192-198.

(see above)

In the Stream of a Plasmatron, by V. A.
Parfenov, 6 pp.
RUSSIAN, per, Nauk i Zhizn, No 4, 1958,
pp 67, 68.

ATIC F-TS-9859/V

An Electrical Method for Measuring the
Viscosity of Liquids, by B. K. Martens.
RUSSIAN, per, Priborostroyeniye, No 12,
1957, pp 25, 26.

Thornton Research
Centre 1016
OT/3311

Increasing the Efficiency of Ionization
and Proportional Counters, by Ye. P.
Ovchinnikov, S. S. Semenov, 10 pp.
RUSSIAN, per, Pribery i Tekh Eksper,
No 4, 1957, pp 39-43.

AEC Tr 3701

On Charge Transfer as a Method of
Obtaining "Single Peak" Mass Spectra,
by V. L. Tal'roze.
RUSSIAN, per, Pribery i Tekh Eksper,
No 5, 1957, pp 116, 117.

DSIR LIU M.341

Scientific
Physics (Contd)

Problems of Ambient Flow in Magnetic Hydrodynamics, by M. D. Ladyzhenskiy.
RUSSIAN, per, Prik Matemat i Mekh, Vol XXIII, No 2, 1959, pp 292-299.

*ATIC MCL-258/III

Temperature Variations in High Pressure Boiler Drums and Their Treatment, by I. A. Meshchaninov, G. F. Muchnik.
RUSSIAN, per, Toploenergetika, No 8, 1955, pp 44-48.

DSIR LRU M.367

Research Work in Physics and Technology of Semiconductors in East Germany, by D. H. Nasledov, 7 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVII, No 6, 1957, pp 73-75.

ATIC F-TS-9528/III

Theoretical Spectroscopy and Quantum Mechanics of Molecules, by L. A. Naynshteyn, N. D. Sokolov, 8 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVII, No 6, 1957, pp 101-104.

ATIC F-TS-9528/III

Present Trends in the Development of Physics and Dielectrics, by G. I. Skanavi.
RUSSIAN, per, Vest Ak Nauk SSSR, No 3, 1959, pp 15-18.

*ATIC MCL-253/III

A Method of Analyzing Fatigue Fractures, by A. M. Zaitsev.
RUSSIAN, per, Zavod Lab, Vol XXII, No 4, 1956, pp 472-478.

RAE 798

Measurement of Power at Centimetre Wavelengths by a Thermo-Acoustic Method, by G. A. Vasilyev.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXIV, No 5, 1935, pp 571-574.

RAE 799

The Theory of the Equation of State, by S. M. Tkachenko.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol IX, No 5, 1939, pp 578-585.

ATS RJ-1729

Scientific
Physics (Contd)

Comment on D. L. Simonenko's "Method of Producing Molecular Beams," by M. M. Bredov, et al.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XX, No 12, 1950, pp 1143.

ATS RJ-1735

The Application of a Photoelectric Recording Method to Molecular Analysis by Ramen Spectra, by Ya. S. Bobovich, D. B. Gurevich.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVII, No 9, 1954, pp 318-332.

DSIR LLU M.352

Contribution to the Theory of Phase Diagrams of Multicomponent Systems, by I. I. Kornilov, 23 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, Mar 1958, pp 571-584.

ATIC F-TS-9531/V

Achievements and Prospects in the Field of Study of Phase Diagrams of Metallic Systems, by G. S. Ivanov, 26 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 3, Mar 1958, pp 585-600.

ATIC F-TS-9531/V

Full Translation of Soviet Periodical Zhur Tekh Fiz, Vol XXVIII, No 11, 1958.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 11

Full Translation of Soviet Periodical Zhur Tekh Fiz, Vol XXVIII, No 12, 1958.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 12

The Effect of Dislocations on the Coercive Force of Ferromagnetics, by F. Vicena.
CZECH, per, Czechoslov Jour Phys, Vol V, No 4, 1954, pp 480-499.

ATS RJ-1725

Macroscopic Aspect of Brief and Intense Discharges in Gases, by I. Podliasky, 23 pp.
FRENCH, pamphlet, Aspect Macroscopique des Decharges Breves et Intenses dans les Gaz, 9 pp.

AEC Tr-3693

Scientific
Physics (Contd)

A Theory on the Linear Electron
Accelerator, by E. Leboutet, 30 pp.
FRENCH, per, Annales de Radiophysique,
Vol XIII, 1958, pp 107-129.

AEC Tr 3704

Micrography and Electronic Micro-
diffraction of Thin Sections of
Uranium, by A. Saulnier, P. Mirana.
FRENCH, per, Comptes Rendus, Vol
CCXLVII, 1958, pp 2351-2354.

*AEC

The Structural Theory of Metal Creep,
by A. Odling, 16 pp.
FRENCH, per, Rev Met, Vol LV, 1958,
pp 448-452.

AEC/HJ-Tr-3

The Precision Determination of Lattice
Constants by the Asymmetric Method,
by M. E. Straumanis, A. Yevins, 51 pp.
GERMAN, bk, Berlin, 1940, pp 1-50,
97-99.

AEC CAT-T-643

Aluminium in Reactor Construction, by
P. Eversheim.
GERMAN, per, Die Atomwirtschaft, Vol IV,
No 4, 1959, pp 155-159.

*AEC

On Spectrum Excitation in Spark Discharges,
by S. L. Mandelstam.
GERMAN, per, Colloquium Spectroscopicum
Internationale VI, 1956, pp 245-251.

*ATIC NCL-172/V

Design of Spinning Discs, by H. Hausenblas,
12 pp.
GERMAN, per, Konstruktion, Vol VIII, 1956,
pp 18-22.

AEC IGRL-T/CA-92

The Flow Past Slender, Almost Axisymmetric
Bodies, by F. Riegels.
GERMAN, per, Mitt Max-Planck Inst Stromungs-
forsch, No 5, 1952.

RAE 779

Scientific
Physics (Contd)

Column Ionization in Gases at Increased Pressure, by G. Jaffe.

GERMAN, per, Physikalische Z., Vol XXX, 1929, pp 849-856.

*AEC

Optical Study of the Discharge in Metallic Vapours. I. The Dependence of the Concentration of Excited Atoms Upon the Current Intensity in the High Pressure Mercury Discharge, by W. A. Fabrikant, W. L. Pulver, 10 pp.

GERMAN, per, Phys Z. Sowjet, Vol VI, 1933, pp 521-536. 9040645.

ACSIL Tr No 1049

Ultrasonic Testing of Products of the Iron and Steel Industry, by H. J. Kopineck, et al.

GERMAN, per, Stahl u Eisen, 28 May 1959, pp 786-797.

*British Iron and Steel Ind 1365

On the Current, Voltage, Resistance and Four Pole Concepts in Connection With Desimeter Waves, by H. H. Meinke.

GERMAN, per, Z. Angew Phys, Vol I, No 2, 1948, pp 90-98.

*ATIC MCL-203/V

The Properties of Photographic Coatings Subjected to Electron Radiation, by H. Frieser, E. Klein, 29 pp.

GERMAN, per, Z. Angew Phys, Vol X, 1958, pp 337-346.

AEC Tr 3686

New Simple Method for the Investigation of the Detonation of Explosives When Performing Work, by A. Haid, A. Schmidt.

GERMAN, per, Z fuer das Gesamte Schiess - und Sprengstoffwesen, Vol XXXIV, 1939, pp 38-41.

Dept of Interior
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 153

The Electrokinetics of Liquid Metals, by A. Klemm.

GERMAN, per, Z. fuer Naturforschung, Vol XIIIa, No 12, 1958, pp 1039-1043.

*AEC

Scientific
Physics (Contd)

The Fundamental Law of the Physical
Effects of X-Rays of Various Wave-
Lengths. II, by R. Glocker.

GERMAN, per, Z. fuer Physik, Vol
CXXXVI, No 3, 1953, pp 352-366.

*AEC

Measurements of Oscillator Intensity
of Some O I Lines in a Water-Stabilized
Light Arc, by Gunter Jurgens.

GERMAN, per, Z. fuer Physik, Vol CXXXVIII,
1954, pp 613-622.

*AEC

On the Appearance of Jets in Carbon Arcs
of a High Current Intensity, I, by
R. Wienecke.

GERMAN, per, Z. fuer Physik, Vol CL,
1958, pp 231-241.

*AEC

On the Appearance of Jets in Carbon Arcs
of a High Current Intensity, II, by
R. Wienecke.

GERMAN, per, Z. fuer Physik, Vol CLI,
1958, pp 159-173.

*AEC

Separation of Ions Using the Difference
in Adsorbability Due to Electric Charge,
by Masatake Honda, 3 pp.

JAPANESE, per, Nippon Kagaku Zasshi,
Pure Chem. 11 Section, Vol LXXI, 1950,
pp 118-120.

ATIC F-TS-9976/I

On Heat Transfer in Reactors, by
E. Ruckenstein, 6 pp.

ITALIAN, per, Acad Rep Populare Romine,
Inst Fiz Studii Cercetari Fiz, Vol VII,
1956, pp 63-66.

AEC Tr 3609

Scientific
Space Research

Appendix I. Observations of AES 1957 α_1
and 1957 α_2 by Soviet Stations, 25 pp.
RUSSIAN, bk, Syulleten Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 1, 1958, pp 22-24.

JPRS 773-D

On the Threshold of Interplanetary Flight, by
B. Mirtov.
RUSSIAN, per, Grazhdanskaya Aviatsiya, No 3,
1959, p 12.

Navy 2231/T-133

Before the Invasion of Cosmos by Man, by V.
Parin, 8 pp.
RUSSIAN, np, Iz Sovetov Deputatov Trudnyashchikhaya
SSSR, No 263 (12879), 2 Nov 1958, p 4.

ATIC F-TS-9898/V

The Soviet Cosmic Rocket
RUSSIAN, np, Pravda, 12 Jan 1959, pp 1-4.

OT/3493

From the Sea Into Outer Space, by G. I.
Pokrovskiy.
RUSSIAN, per, Sovet Moryak, No 5, Mar 1959,
pp 12, 13.

Navy 2178/ONI 517

Interviews With Soviet Technicians on USSR
Space Programs, 4 pp.
FRENCH, per, Science et Avenir, Jan 1959.

AF 1233308

Scientific
Miscellaneous

Handbook of the Academy of Sciences Uzbek SSR
for 1958, 52 pp.

RUSSIAN, handbook, Akademiya Nauk Uzbekskoy
SSR Spravochnik na 1958 God, Tashkent, 1958,
pp 1-130.

JPRS L-1708-D

Outline of the University of Leningrad, by
V. V. Mavrodin, (NY-2796).

RUSSIAN, bk, Leningradskiy Universitet, 1957,
34 pp.

*JPRS

Abstracts of the Conference on Mathematical
Linguistics (15-21 April 1959), (DC-3901/2).

RUSSIAN, monograph, Tezisy Soveshchaniya po
Matematicheskoy Lingvistike, 1959, pp 1-104.

*JPRS

New Books - Brief Annotations to Publications
of USSR Academy of Sciences, 14 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXVII,
No 6, Jul 1957, pp 124-127.

ATTC F-TS-9528/III

The Role of Physics and Chemistry in the
Investigation of Biological Problems, by G. M.
Frank, V. A. Engel'gardt, 23 pp.

RUSSIAN, per, Voprosy Filosofii, No 9, Moscow,
1958, pp 58-72.

JPRS 770-D

AUTHOR INDEX

<u>Name</u>	<u>Page</u>	<u>Name</u>	<u>Page</u>
Abdirakhmanova, I. F.	85	Andrusov, N.	141
Abdullayev, G. B.	190	Andrzejewski, Bogdan	27
Abov, Yu. G.	97	Annayev, R. G.	175
Abramov, V. S.	105	Antonov, Khristo	31
Abrikosov, M. Kh.	101	Antonov, N. P.	158
Adyan, F. I.	124	Antonova, I. A.	143
Afrikanova, L. A.	200	Anton'yeva, N. M.	183
Afrikan, E. K.	81	Arbuzov, A. E.	96
Agababov, S. G.	129	Ardenne, M.	144
Agababyan, M. M.	148	Aref'yev, A. P.	4
Agayev, M. G.	72	Arkhipov, V. N.	210
Ageyev, N. V.	99, 101	Arsenov, G. I.	99
Ageyeva, D. L.	100	Arsen'yeva, M. A.	205, 207
Alkhodzhayev, B. I.	90	Arshinov, A. A.	177, 193
Aizikovich, M. A.	105	Artyukhin, P. I.	85
Akhmetov, K.	9	Arynov, A.	208
Aksel'rod, L. S.	92	Arzhakov, S. A.	89
Aleksandrov, B. S.	98	Aseyeva, I. V.	79
Aleksandrov, I. V.	178, 186,	Ashmarik, G. M.	170
	200	Asinkritov, F. A.	142
Aleksandrov, S. M.	94	Astapovich, I. S.	136
Aleksandrov, V. A.	3	Astavlov, V. S.	169
Alekseyev, A. S.	177	Audibert, E.	107, 108
Alekseyeva, O. G.	150	Aurand, K.	164
Aleyev, Yu. G.	192	Avdeyeva, V. I.	93
Alferov, V. V.	4	Avdonin, N. S.	81
Alfater (Alfator?),		Avgul, V. T.	130
N. A.	126	Avotina, M. P.	188
Alizhanian, S. I.	81	Avramenko, L. I.	91
Alison, F.	161	Avramov, Albert	19
Allanuzarov, A.	175	Avruth, M. L.	118
Al'perin, P. M.	149	Awander, H.	111
Al'tman, S. S.	94	Babareko, A. A.	192
Al'yev, G. M.	190	Babokin, I. A.	8
Anantade, Yu. A.	188, 204	Bac, Jan	29
Amiragova, M. I.	144	Bachelis, D. S.	116
Amosov, N. K.	16	Backa, Abdyl	18
Ananova, E. N.	70	Badeyev, N.	14
Andreyenko, G. V.	179	Bagaryatskiy, Yu. A.	102, 103
Andreyenko, Z. D.	174		206, 207
Andreyev, E. A.	84	Bagdasarov, A. A.	149
Andriyevskiy, R. O.	172	Bakulev, P. A.	118
Andronova, I. A.	182	Balassa, Miklos	18

Baldin, A.	204	Blazejczyk, Marjan	27
Balkevich, V. L.	6	Bluvshstein, M. N.	6
Balzhid, G.	43	Bobkov, A. I.	144
Bankina, V. F.	101	Bobovich, Ya. S.	216
Bao, Sen'ke	177	Bobryevich, A. P.	140
Barakina, N. F.	200	Bocharov, Yu. S.	207
Baranchuk, E. I.	127	Bocharova, E. M.	207
Baranovskiy, V. V.	3	Bodiyrev, N. K.	72
Bardin, I. P.	99	Bogachev, N. P.	199
Barenblatt, G. I.	178	Bogdanov, Y.	18
Baron, V. V.	102	Bogdanova, L. P.	104
Bartenev, G. M.	196, 197	Bogolyubov, N. N.	181, 184
Barzykin, V. V.	90	Bogoroditskiy, N. P.	191
Basharin, G. P.	197, 198	Bohn, M.	163
Basharinov, A. E.	128	Bokovaya, M. M.	79
Bashilov, A. A.	183	Bolotich, I. P.	86
Bashkov, A. I.	9	Bol'shakov, A. M.	158
Baskakov, M. P.	141	Boltaks, B. I.	208, 210
Batyrev, A.	14	Bondar', V. V.	87
Batzenschlager, A.	161	Bondarenko, B. V.	214
Baum, F. A.	174	Bondareva, A. S.	146
Baur, E.	108	Boreskov, G. K.	98
Baur, Emil	110	Borgy, Pierre	131
Bayanov, S. Z.	9	Borisevich, L. N.	119
Baykov, A.	6	Borisov, A.	7
Bayo, Alberto	62	Borisov, N. D.	197
Bazanov, N.	11	Borodin, L. F.	118
Bazhanova, N. V.	75	Borovakiy, I. B.	100, 209
Bazhonova, N. V.	72	Boussier, Genevieve	162
Becker, F. H.	131	Boyko, B. T.	195
Belikov, I.	74	Braun, A. A.	147
Belikov, I. F.	75	Bravina, V. E.	88
Belikov, P. S.	79	Brazauskas, V. V.	96
Belopol'skiy, A. P.	98	Bredov, M. M.	216
Belyakov, B. D.	154	Brentsis, K. K.	8
Belyayev, G. I.	105	Bresler, A. E.	174
Bentsyanova, V. M.	155	Breydo, M.	120
Berestneva, Z. Ya.	89	Brodskiy, A.	194
Berezowski, Stanislaw	27	Broockmann, K.	172
Berg, R. L.	69	Broz, Frantisek	31
Bershteyn, B. I.	75	Broude, V. L.	187
Beskrovnyy, A. K.	100	Bryukhanova, L. S.	193
Bevzin, F. Ya.	94	Bryunelli, B.	139
Beyauv, (L.)	78	Bubnov, N. N.	91
Bibergal, A. V.	145	Buchvarov, Mikhail	32
Bidzilia, N. I.	182	Budberg, P. B.	101
Biolchini, Ary	58	Budker, G. I.	173
Bjerrum, N.	106	Budryk, W.	114

Bues, W.	112	Chikovani, N. N.	187
Bugoslavskaya, E. Ya.	66	Ch'in, Yu-chen	50
Bukhteyev, A. M.	189	Ch'iu, Hsin-yeh	50
Bunkin, F. V.	128	Chlenov, L. G.	160
Bunyatov, S. A.	199	Chmutov, K. V.	83. 130
Burnimovich, V. I.	119	Chou, Hsin-min	48
Burov, V. A.	180	Chreslashvili, N. V.	157
Bursyan, N. R.	104	Chrzanowski, Wladyslaw	27
Buslayev, Yu. A.	92	Chugunin, Ya. V.	82
Busygin, V. Ye.	144	Chugunkov, Ya. G.	7
Butakov, I. N.	116	Chukhrov, M. V.	103
Butslov, M. M.	200	Churacek, Josef	22
Buynov, N. N.	198	Cizek, Karel	23
Bydin, Yu. F.	189	Clavnsitzer, G.	173
Sykhovskiy, Ya. L.	122	Clusius, K.	112
Caputo, C.	112	Cwierz, Antoni	27
Cavalier, G.	130	Conas, G.	161
Chang, Ch'ing-t'ai	51	Crosato, Francesco	165
Chang, Ju-kang	41	Czyz, J.	29
Chang, Jung-chi	49	Daikhovsky, Y. I.	148
Chang, Seu-tuan	42	Danilov, A. I.	154
Chang, Yu-ch'ang	39	Danilov, V. I.	98
Chao, Fu-sung	49	Darevskiy, V. M.	208
Charakhch'yan, A. N.	206	Daum, N.	65
Chatrain, G. E.	165	Dekartova, N. V.	198
Chayevskiy, M. I.	197	Delone, N. L.	205
Chaykovskaya, M. Ya.	155	Demassieux, N.	107
Chaylakhyan, M. Kh.	70, 73 77, 79	Denisov, E. T.	98
Cheburskina, N. V.	98	Deryagin, B. V.	85
Chekalyuk, E. B.	140	Desvergues, L.	108
Chemezov, V. A.	86	Dewitz	23
Ch'en, Ch'ing	46	Deyl, Zdenek	106
Chen, Khun-i	177	Dezideryev, G. P.	85
Ch'en, Li-yen	50	Dickel, G.	112
Cherches, B. Z.	149	Didenko, A. N.	119
Cherepin, I.	6	Dieckmann, Dieter	163
Cherkashin, Ye. Ye.	100	Dmitriyev, N.	119
Chernikova, I. N.	176	Dobrokhotova, I. N.	79
Chernova, T. S.	103	Dobrolyubskiy, O. K.	71, 77
Chervyakova, V. V.	92	Dobrovol'skaya, A. P.	146
Chesnokov, E. N.	81	Dobrynin, G. M.	73
Ch'i, Chun-shan	41	Dode, Petro	18
Chi, Ya-t'ai	52	Doganovskiy, S. A.	127
Chiang, Ch'un-fang	51	Dokukina, N. V.	103
Chiao, Sheng-hui	42	Dokunikhin, N. S.	195
Chieh-erh-ko-le	41	Dolgoplosk, B. A.	87
Ch'ien, Ch'ung-chu	55	Dolzhanov, P.	95
		Domanskaya, N. P.	74

Dombrovskaya, Yu. F.	153	Fabrikant, W. A.	218
Domnin, S.	13	Faddeyev, L. D.	196
Donets, Yu. I.	143	Faleyeva, Z. N.	203
Donimirski, Andrzej	29	Faltan, Michal	44
Doroshenko, P.	2	Fang, Hsi-cheng	47
Dotsenko, B. B.	124	Farber, V. B.	151
Dovzhenko, O.	179	Faust, Heinrich	142
Dubinin, M. M.	84	Federov, G. V.	190
Dubovitskiy, F. I.	89	Fedotova, T. I.	81
Dukova, E. D.	198	Fedotova, V. A.	86, 89
Dul'neva, N. M.	200	Fedyanin, V. K.	186
Dun, Min-de	192	Fefer, A. M.	197
Danenkov, V. L.	125	Feine, V.	164
Dupaigne, P.	164	Fel'dashtein, L. A.	87
Durieux, A.	59	Felice, N.	121
Durrschnabel, Wolfgang	112	Feneis, H.	163
Dyadchenko, M. G.	167	Feng, Po-hua	37
Dylis, N. V.	78	Ferapontov, V. A.	129
Dzhelepov, B. S.	183, 201	Ferenbac, I.	33
Efendiyev, G. A.	100	Filippov, G.	12
Efremov, A. I.	176	Finikov, B. I.	123
Efros, D. A.	196	Finkel'shteyn, B. N.	170
Egerev, K. E.	183	Fischer, Fritz	131
Egorov, M. M.	86	Fitsner, L. N.	127
Egorov, V. N.	199	Fleishman, B. S.	128
Eidel'man, E. Ya.	93	Flerov, G. N.	190
El'piner, I. E.	210	Florianovich, G. M.	89
El'yutin, V. P.	83	Florin, V. A.	136
Emanuel, M. M.	98	Fokina, E. A.	87
Emanuel, N. M.	85	Fomyn, M. K.	75
Engel'gardt, V. A.	221	Forgo, Laszlo	25
Englin, A. L.	106	Frankin, M. I.	140
Epifanov, G. I.	181, 211	Frankov, A. B.	94
Ercoli, R.	106	Frank, G. M.	221
Eriszann, Hans	132	Frankl', F. I.	208
Eramenko, V. V.	157	Frantsevich, I. N.	198
Erlum, F. S.	6	Fricke, R.	111
Ermilov, G. B.	70	Fridberg, I. D.	191
Erofeyev, B. V.	103	Prickin, V. M.	200
Ershov, A. P.	124	Frieser, H.	218
Ershov, V. S.	16	Friess, H.	110
Erusalimskiy, B. L.	87	Frish, S. E.	204
Esin, C. A.	86	Frisman, E. V.	175
Etnekdzhyan, A. A.	3	Fronlich, E.	163
Ettel, Viktor	100	Frolov, D. P.	178
Eversheim, P.	217	Frolov, I. T.	156
Eygenson, M. S.	68	Froluhkin, V. G.	125
Fabre, J.	161	Froylikh, G.	144

Fruhling, L.	161	Glogoczowski, J. J.	134
Fu, Chung-hai	50	Godwod, Jerzy	28
Fuchs, W.	109	Gokhshtein, A. Ya.	88
Fulde, Rudi	25	Gokhshtein, Ya. P.	88
Fyalko, Ye. I.	67	Goldberg, S. M.	6
Fyurstenberg, A. I.	209	Golenko, D. I.	206
Gagin, S. D.	169	Golikov, I. N.	167
Galaiko, V. P.	213	Golovtsova, A.	3
Galin, G. Ya.	192	Golubev, V. N.	74
Gal'usov, A. P.	165	Golubeva, L. V.	70
Gal'sova, R. D.	175	Golubtsova, R. B.	102
Gamboa, J. M.	173	Gonikberg, M. G.	97
Gamkrelidze, R. V.	124	Gorbachuk, G. A.	85
Gansler, Hedi	164	Gorbunov, N. I.	170
Gantman, Ya. N.	9	Gorbushenkov, V. A.	88
Garayeva, K. G.	76	Gordon, I. M.	189
Garber, R. I.	177	Gorelik, S. S.	169
Garin, N. S.	159	Gorin, Yu. A.	104
Garlinskaya, E. I.	5	Gorizontov, P. D.	149
Gaudio, Accilio	11	Gorkun, Yu. I.	191
Gavrilov, M. A.	124	Gornyy, Justice A.	12
Gebhardt, Erich	112	Gorodkov, A. N.	44
Geguzin, Ya. E.	88	Gorodkov, B. N.	15
Gel'chinskiy, B. Ya.	177	Gorshkov, I. E.	101
Gel'man, A. D.	85	Goryunov, Yu. V.	176
Gel'man, A. S.	128	Goryunova, N. A.	101
Gel'perin, Ye. L.	170	Gotse, K.	23
Geminov, V. N.	204	Goutal, E.	107
Gancheva, Stanka	32	Goverova, R. A.	179
Georgiyev, A.	18	Grabovanko, E. K.	153
Gerasimov, M.	19	Grar, R.	172
Gerasimov, Ya. I.	90	Grassmann, W.	163
Gerling, E. K.	209	Gratreau, P.	173
Gertsriken, S. D.	170	Grayevskiy, E. Ya.	177, 201
Getskin, L.	5		205
Geyden, T. M.	76	Grechanyy, Ya. V.	84
Geyderikh, V. A.	90	Grezin, V.	144
Ginburg', V. L.	140	Gribkovskiy, V. P.	199
Ginsburg, A. G.	155	Grigolyuk, E. I.	186
Ginsburg, G. N.	146	Grigor'ev, E. P.	188
Ginsburg, V. L.	177	Grineva, G. M.	75
Gladkikh, M. A.	3	Grinfel'd, E. G.	75
Gladyshevskiy, Ye. I.	101	Gritsenko, I. I.	156
Glagolev, N. I.	211	Gril'sev, N. D.	122
Glazov, A. N.	135	Gros, Ch. M.	161
Glazov, N. V.	135	Gubenko, E. N.	125
Glazov, V. M.	191	Gudok, N. S.	183
Glocker, R.	219	Gudzenko, L. I.	128

Gugovski, Neycho	18	Hunecke, Helmut	132
Gul'din, I. T.	103	Idlis, G. M.	207, 213
Gulyakin, I. V.	79	I-feng	48
Gundermann, E.	111	Igonin, L. A.	89
Gurevich, D. B.	216	Igras, E.	203
Gurevich, G. I.	194	Ikeda, Ichiro	165
Gurzadyan, G. A.	180, 193	Ikonenko, T. K.	70
Gusev, N. G.	144	Il'in, N. P.	209
Guseva, L. N.	192	Il'in, V. A.	123
Guseynov, D. M.	74	Ilyna, A. I.	75
Gutenmakher, L. I.	118	Imshenetskiy, A. A.	151
Gutin, G. S.	201	Imyanitov, I. M.	196
Gutman, L. N.	139	Inagaki, M.	132
Gutovskiy, M. V.	117	Indenborn, V. L.	211
Gvozdev, I.	2	Insarov, I. A.	159
Hahnewald, Harry	21	Ismaylov, A. A.	67
Haid, A.	218	Ito, J.	165
Haide, Anders	34	Ivanchov, S. S.	87
Haidegger, Erno	25	Ivanenko, D.	194
Hasegami, Mihail	30	Ivanenko, I. P.	204
Hasegawa	108	Ivanitskiy, A. M.	152, 153
Hausenblas, H.	217	Ivanov, G. S.	216
Hayashi, Yujiro	44	Ivanov, Ivan	20
Helmich, K. K.	64	Ivanov, K. N.	5
Herenquel, Jean	171	Ivanov, P. A.	119
Herrmann, K. O.	162	Ivanov, V.	13
Heyrovsky, J.	107	Ivanova, A. D.	155
Hudek, Jaroslav	22	Ivanova, M. A.	154
Ho, Chun	49	Ivanova, T. M.	196
Hoermann	23	Ivanova, V. S.	182
Hoffmann-Berling, H.	162	Ivlev, D. D.	212
Hofmann, V.	163	Ivovich, V. A.	181, 183
Holowinski, J. T.	29	Ivanov-Kholodnyy, G. S.	68
Hömola, Friedrich	132	Ivensen, Yu. P.	139
Honda, Masatake	219	Iwata, Shigeo	132, 133
Hoppe, Peter	131	Jacobi, W.	164
Horniak, Eugeniusz	26	Jaffe, G.	218
Horvath, Bela	32	Janicki, J.	166
Hsiang, Lien-ying	42	Jayle, M. F.	161, 162
Hsiao, Ming	47, 48	Jen, Wei	48
Hsien, Hsin-hui	39	Jenkner, F. L.	162
Hsu, Chin-ming	51	Jindra, Vladimir	21
Hsu, Shao-fu	51	Jullien, G.	165
Hsu, Shih-tao	37	Jung, D.	29
Hu, Chao-heng	52	Jung, H.	162
Hu, Chun	38	Jurgens, Gunter	219
Huang, Ken-ting	56		
Hug, H.	171		

Kabanova-Meller, E. N.	157
Kabir, P.	204
Kagan, Yu.	164
Kagan, Yu. B.	92
Kalinovich, D. F.	198
Kalinyak, A. A.	200
Kalugin, K. S.	144
Kalugin, V. I.	155
Kaluza, E.	65
Kalyayeva, T. V.	152
Kamenetskaya, D. S.	100
Kamenskiy, I. N.	149
Kan, Feng	47
Kancierz, Janusz	28
Kaner, E. A.	185
Kanonidi, Kh. D.	139
Kao, Ching-te	56
Kapitanov, Yu. T.	139
Kapitonova, G. V.	208
Kaplan, S. A.	174
Karadakov, Kh.	20
Karamyan, A. S.	190
Karasavina, L. D.	182
Kargin, V. A.	89, 90
Karimov, M. G.	67, 68
Karpenko, G. V.	88
Karpov, V. G.	72
Karpova, N. A.	124
Kartsev, M. A.	118
Karyakina, M. I.	89
Karyevoi, S. Ya.	79
Kasatkin, Ye. V.	149
Kasatochkin, V. I.	194
Kase, Tsutomu	172
Kashirskiy, M. I.	105
Kast, H.	111
Kasyankov, P. P.	191
Katsaran, B. S.	9
Katsenelenbayum, B. Z.	208
Kaverov, A. T.	194
Kazantsev, V. A.	210, 211
Kazarnovskiy, I. A.	83
Kazaryan, A.	12
Kazimour, J.	22
Kazmina, T. I.	84
Kel'dyushev, V. A.	130
Keller, W.	163
Kel'zon, V. S.	128

Kerimov, M.	36
Kesayev, I. G.	204
Kashin, A. F.	79
Kharadze, Ye. K.	165
Khatuntseva, A. Ya.	167
Khlapova, A. N.	85
Khlopenkova, L. P.	79
Khlynov, V. V.	86
Khlypalo, Ye. I.	213
Khodas, M. Ya.	150
Khokhlov, S. S.	73
Khoklova, Yu. M.	77
Khol'nov, Yu. V.	201
Khomutov, M. V.	146
Khorin, Ya. D.	101
Khozyainov, V. T.	207, 212
Khromov, B. M.	149
Khudyakov, S. N.	16
Khun, Richard	163
Khvorova, I. V.	69
Khvostenko, G. I.	179
Kierski, Boleslaw	28
Kilb, E.	110
Kinzyo, Kisei	132, 133
Kirdar, N. S.	36
Kirpriyan, K.	14
Kiryalov, N. P.	69
Kiselev, A. V.	88, 94
Kiselev, V. F.	86
Kiseleva, L. P.	146
Kiseleva, V. A.	188
Kislyakova, N. V.	91
Kitayev, O. N.	192
Kitaygorodskiy, A. I.	198
Kiu, Yang-chiao	57
Klein, E.	218
Klein, Willem Carel	55
Klemm, A.	218
Klemparskaya, N. N.	150
Kluisis, V. V.	96
Klyagina, N. S.	92
Klyuchareva, M.	80
Knorre, A. G.	147
Knorre, D. G.	85
Knunyants, I. L.	91
Knyazeva, L. A.	73
Ko, Ch'ang-keng	39
K'o, Ch'ing-chih	38

Koblents, Ya. G.	126	Kornilov, H. I.	102
Kobtsev, A.	13	Korolev, H. V.	154
Kobyshev, G. I.	87	Korol'kov, A. M.	168
Koch, H.	24	Koropov, V. M.	16
Kochanova, L. A.	193	Korotkov, V.	12
Kochetkov, N. K.	104	Korsuntsev, A. V.	116
Kochina, N. N.	203	Kosevich, V. M.	197
Koehler, W.	131	Kosmarskaya, E. N.	147
Koerner, M.	23	Kostetskiy, E.	74
Kogan, I. R.	158	Koton, M. M.	106
Kogan, S. Kh.	119	Koudelka, Miroslav	20
Kogan, V. I.	180	Koval', Zh. A.	92
Kogarko, S. M.	90	Kovalev, A. A.	195
Kogler, Edmund	110	Kovalev, G. I.	139
Koncuit, Karol	23	Koval'skiy, N. G.	212
Kokarev, H. A.	44	Kovenskiy, I. I.	198
Kokorin, G. A.	184	Kowszyk, Z.	166
Kokosov, H. M.	1	Kozlov, A. I.	91
Kolakowski, Antoni	27	Krasil'nikov, K. G.	86
Kolesnikov, V. N.	199	Krasil'nikov, N. A.	77, 79
Kolesnikova, R. V.	21	Krasil'nikov, V. A.	180
Kolman, Ernest	64	Krasil'nokova, V. I.	147
Kolobkov, N. V.	140	Krasil'shchikova, E. A.	189
Kolobkova, E. V.	75	Krasnovskiy, A. A.	193
Kolotyrlin, Ya. M.	89	Krasnikovskiy, G. V.	8
Kolpashnikov, A. I.	171	Krasnitskiy, A. M.	72
Komar, M. P.	99	Krasnykh, I. G.	150
Komarek, Valtr	23	Krat, V.	67
Komarov, V. V.	107	Kratsik, E.	188
Komiya, Y.	165	Krause, A.	115
Konakov, P. K.	213	Kravchenko, A. T.	160
Kondorskiy, E.	192	Kresta, Jaromir	21
Kondorskiy, E. I.	188	Krichevskaya, E. I.	208
Kondrat'ev, V. N.	97	Kulpyakevich, R. I.	88
Konovalova, L. A.	92	Kulvoglaz, M. A.	175
Konstantinov, A. V.	76	Kushta, Josef	22
Konstantinova, M. M.	205	Klungaut, A. N.	155
Konstantinova, M. S.	178	Kuzova, P. G.	118
Konstantinova, T. H.	77	Kuzennikov, G. A.	129
Konyuchkova, G.	12	Kuznetskiy, B. B.	4
Kopinech, H. J.	218	Kruzhilin, A. S.	77
Korableva, H. P.	78	Krylov, A. V.	76, 77
Korchak, A. A.	206	Krylov, O. V.	87
Korenblit, L. L.	212	Krysov, A.	14
Koretskiy, A. T.	86	Krystanov, L.	214
Kornienko, T. P.	115	Kryuchkova, A. P.	149
Kornilov, I. I.	100, 101, 102, 103, 216	Kryukov, Yu. B.	93
		Kubat, Frantisek	23
		Kubchek, E.	169

Kuchayeva, A. G.	81	Lapshina, M. I.	202
Kudintseva, G. A.	96	Lavrov, V. V.	205
Kudryashov, B. A.	179	Lavrovich, N. S.	167
Kudryashov, L. I.	104	Lavrovskiy, K. P.	96
Kudzin, Yu. K.	73	Lavrukhina, A. K.	182
Kuhn, K.	163	Lavrushin, V. F.	84
Kukhareno, T. A.	96	Layner, A. I.	169
Kukiel, E.	166	Lazarev, I. Z.	76
Kukudzhinov, S. N.	208	Lazarov, Nikola	18
Kulebakin, V. S.	126	Lebedev, A. F.	168
Kulev, L. P.	106	Lebedev, N. V.	80
Kuliga, Wolfg Turk.	162	Lebedev, V. G.	93
Kulikovskiy, A. G.	194, 201	Lebedeva, G. D.	205
Kulyev, A. A.	90	Leboutet, H.	217
Kung, Yu-chih	38	LeClerc, E.	106
Kunz, E.	109	Lehmann, K. B.	108
Kupersmidt, Ya. A.	123	Lei, Tai-fu	52
Kuraishi, M.	114	Leibwitz, E.	109
Kurilenko, A. I.	99	Lel'chuk, Sh. L.	105
Kurita, M.	114	Lelong, Pierre	171
Kurylyev, A. K.	17	Lenchevskiy, O. S.	122
Kuryshv, V. I.	135	Leppeimann, Hermann	
Kusakov, M. M.	93, 183	Josef	163
Kuz'min, A. D.	180	Lesnik, A. G.	205
Kuz'min, R. N.	102	Levskiy, L. K.	209
Kuz'minskiy, A. S.	87	Lexer, E.	162
Kuz'minykh, I. N.	92	Li, Chao-lin	42
Kuznetsov, D. A.	95	Li, Ch'un-chih	38
Kuznetsov, L. D.	92	Li, Fan-fu	38
Kuznetsov, V. D.	209	Li, Hsiu-lin	48
Kuznetsova, E. M.	104	Li, Huang	50
Kuznetsova, N. N.	207	Li, Shun-chih	42
Kvasnikov, I. A.	185, 186,	Li, Wei-min	46
	191	Liang, Kuang-shang	39
Kvater, Ye. I.	153	Litizov, N. I.	146
Kyuns, S. A.	9	Lidov, M. L.	195
Labinskaya, A. S.	159	Likhtman, V. I.	185, 193,
Labuntsov, D. A.	181		199
Labzin, V. A.	199		4
Lachinov, S. S.	92	Linetskiy, Ya.	128
Ladyzhenskiy, M. D.	215	Linkovskiy, G. B.	168
Laffitte, P.	107	Lints, V.	116
Lagidze, R. M.	84	Lipshtein, R. A.	26
Landau, A. I.	100	Lis, Bronislaw	130
Lange, Herrick	180	Lisitsin, S. N.	129
Lange, W.	175	Litver, S. L.	97
Lapin, A. D.	156	Litvin, D. F.	193
Lapshin, O. V.		Litvin, F. F.	69
		Litvinov, M. A.	

Liu, Chih-chien	54	Makushkin, V. P.	122
Liu, Ching-p'ing	52	Malakhov, L. N.	176
Liu, Hsien-chou	38	Malkin, V. B.	158
Liu, I-chih	42	Malkin, V. I.	98
Liu, Yung-ch'ang	37	Malyshev, A. A.	72
Livenson, A. R.	149	Malyshev, G. A.	2
Livshits, B. G.	101	Malyuzhinets, G. D.	180, 181,
Lobachev, A. N.	192		199
Lobov, Avn. G.	12	Malyy, D. B.	4
Lobzhanidze, E. D.	77	Mandelstam, S. L.	217
Logotkin, I. S.	1	Mantel, W.	109
Logunov, A. A.	191, 193	Mao, Fu-chun,	50
Lojander, W.	34	Marchukova, I. D.	209
Lopatin, B. V.	122	Margolin, L. R.	5
Loos, S. M.	115	Margolis, F. G.	92
Lopukhov, Justice R.	14	Margulis, U. Ya.	145
Lorenz, Konrad	162	Marich, L. N.	194
Lorenzen, M.	65	Markin, A.	5
Loriette, P.	108	Markov, Detelin	19
Losev, S. A.	90	Markovich, A. V.	143
Loskutov, A. I.	209	Marqueyrol	107
Lovachev, L. A.	90	Marqueyrol, M.	108
Lovtsov, D. P.	169	Martens, B. K.	214
Lozinskaya, A. M.	139	Martini, Francois	57
Luchnik, N. V.	69	Martynenko, L. I.	95
Luke, J.	111	Mashkevich, V. S.	197
Luk'panov, V. M.	98	Mashkevich, L. A.	102
Lupanov, O. B.	124	Maslennikov, M. V.	176, 179,
Luriya, A. R.	157		189
Lur'ye, M. A.	135	Maslov, V. P.	69
Lushnikov, K. V.	12	Maslyanskiy, G. N.	104
Lyalikov, N. I.	1	Matagrin, A.	108
Lyamin, A. A.	122	Matalin, L. A.	119
Lyamina, G. M.	158	Matskov, F. F.	70
Lyandres, Ya.	14	Mattei, Enrico	63
Lyapunov, A. A.	126	Mattnes, T.	164
Lyapunov, B. V.	68	Matukovics, Jozsef	26
Lyashchenko, B. G.	97	Matveyeva, N. A.	204
Lyubov, B. Ya.	195	Matysina, Z. A.	101
Macskasy, Hugo	26	Mavrodin, V. V.	221
Maisonnier, Ch.	173	Mayer, M. E.	202
Mak, A. A.	211, 213	Mayranovskiy, S. G.	91
Makarevich, V. S.	125	Medvedev, B. V.	199
Makarov, L. L.	85	Medvedev, M. N.	119
Makarov, P. V.	147	Medvedovskiy, V. I.	85
Makodzeba, I. A.	73	Meinke, H. H.	218
Makogon, M. B.	204	Mel'nichenko, A. K.	146
Maksimov, I. V.	179	Mel'nik, I. G.	201

Mel'nik, V. G.	201	Miyake, Isamu	165
Mel'nikova, A. A.	146	Miyazaki, S.	113, 114
Mel'nikova, N. S.	203	Mizono, E. D.	129
Mel'nychenko, Oleksander	11	Mladecki, Wacław	28
Merekov, Yu. P.	199	Mnyukh, Yu. V.	198
Merkhalev, S. D.	116	Moesbauer, Rudolf L.	173
Merkulova, R. F.	83	Magil'nikova, T. T.	177
Merzhanov, A. G.	89, 90	Mohrbauer, F.	109
Mesaros, E.	33	Moiseyev, P. A.	80
Meshchaninov, I. A.	215	Mokhnach, D. O.	179, 195
Meshkovskiy, K. A.	125	Mokhnach, V. O.	69
Mes'lin, V. S.	170	Molchanov, B. N.	134
Meyer, B.	161	Molchanov, K. K.	129
Meyer, K. F.	112	Moller, S. E.	
Meyngard, P. N.	200	Johnstad	34
Meysel', N. N.	151	Mengait, I. L.	122
Michel-Levy, A.	107	Menin, G. A.	68
Mikhailov, V. P.	147	Monaghan, M. Kh.	70
Mikhailov, Z. V.	158	Moreschi, A.	112
Mikheyev, M. A.	174	Moroshkin, Yu. F.	181
Mikheyev, V. S.	103	Moroz, V. I.	67
Mikheyeva, V. I.	100	Morozov, N. F.	209
Niklashevskaya, V. S.	103	Morozov, V. K.	76
Mikucki, Zygmunt	26	Morozov, V. M.	160
Milev, V.	18	Mokhalenka, V. A.	186
Miller, M. A.	185	Moskatov, G.	123
Milov, P.	36	Mosolov, I. V.	77
Milovskaya, E. B.	87	Mosvenan, Vladislav	30
Minin, I. N.	189	Mosyakov, G. V.	127
Minina, E. I.	76	Motorina, M. V.	79
Minskiy, E. M.	176	Movchan, B. A.	192
Mints, R. S.	102	Moyseyev, N. N.	187
Mints, S.	85	Moyseyev-Ol'khovskiy, I. I.	177
Mirand, P.	217	Mou, Chung	51
Mirgalovskaya, M. S.	103	Mozgov, G. M.	7
Mironov, V. D.	129	Muznik, G. F.	215
Miroshnichenko, K. G.	76	Muzge, S. G.	82
Miroslavlev, E. N.	130	Muller, H. G.	110
Mirskiy, Ya. V.	93	Munder, Justice A.	13
Mirtov, B.	220	Muraad, H.	107
Mirzabekyan, R. O.	148	Murzina, E.	179
Mirzoyan, I. V.	186	Mosir, A. K.	177, 193
Mise, S.	172	Nabokov, M. Ye.	135
Mishuyev, A. V.	122	Nadziakiewicz, J.	115
Misiuna, Wladyslaw	26	Nadzimov, G.	17
Mitskevich, B. F.	172	Nakamura, M.	114
Mitskevich, N. I.	105	Naledov, D. N.	215
Mitsuk, V. E.	185		

Natta, G.	109	Oding, A.	217
Naugol'naya, T. N.	69	Oding, I. A.	204
Naumova, S.	96	Okanenko, A. S.	75
Naynshteyn, L. A.	215	Okhapkin, A.	5
Nekrasov, V. I.	4	Ol'khovskiy, I. I.	211
Nekrasova, T. V.	73	Ol'skiy, Yu. Ya.	171
Nemchinov, V.	6	Omelchenko, S. I.	104
Nemirova, E. K.	67, 174	Orlando, E.	165
Nemoshkalenko, V. V.	197	Orlov, A.	13
Neporent, B. S.	186	Orlov, M. A.	10
Neshcheret, D. S.	73	Orlov, N. I.	148
Neshpor, V. S.	91, 207	Ostroumov, E. A.	138
Nesmeyanov, A. N.	91	Ostrovskiy, M. I.	146
Netrusov, A. A.	44	Ostrovskiy, V. S.	185
Neuberger, F.	131	Ostrovskiy, Yu. I.	190
Neuman	22	Ostyanu, V. M.	124
Nevolin, F. V.	95	Otitsina, T.	96
Neyfakh, A. A.	184	Qu-yang, Ch'in	49
Keyssel', M. N.	175	Ovchinnikov, Ye. P.	214
Nguyen, Cao Luyen	45	Ovchinnikov, Yu. V.	39
Nguyen, Dai	45	Ozhimkova, O. V.	102
Nguyen, Ngoc Oanh	45	Pa, T'u Je Ts'ang	57
Nielsen, F. Woldike	161	Pai, Shou-i	50
Nienhold, Johannes	121	Pakula, Ryszard	27
Nikitin, V. N.	119	Palatnik, L. S.	100, 190, 195, 197
Nikitin, Yu. S.	94	Pal'chikov, V. E.	212
Nikolayev, N. S.	92	Panin, V. E.	204
Nikolskiy, G. M.	66	Panova, A. V.	77
Nikol'skiy, G. P.	83	Pao, Fu	56
Nikol'skiy, S.	179	Pape	23
Nikolsky, G. V.	69	Papok, K. K.	134
Nil'skiy, A.	36	Parfanovich, D. M.	190
Ning, K'uei-lin	39	Parfenov, V. A.	214
Nishioka, A.	113	Pargamanik, L. M.	213
Niu, Chung-huang	38	Parin, V.	220
Nizhniy, N.	2	Parhomovich, S. A.	9
Nizyayev, D. A.	139	Pascu, Stefan	31
Norden, A.	166	Pashkar', S. I.	71
Nosova, G. I.	103, 206	Passerini, L.	112
Novik, D. A.	125	Pasyuk, A. S.	190
Novikov, A. I.	123	Pataki, Iosif	31
Novikova, O. A.	102	Patrikeyev, G. A.	87, 88
Novikova, R. E.	154	Patrikeyev, V. V.	129
Novlyanskaya, K. A.	160	Pavlenko, S. M.	153
Nurmukhametov, R. N.	195	Pavlikovskiy, A.	175
Nuzhdin, N. I.	156	Pavlov, A. A.	144
Oberlander, Georg	132	Pavlov, I. M.	170
Obrucheva, A. D.	89		

Pavlov, Yu. A.	83	Pogodin, N.	14
Pavlova, S. N.	209	Pogodin-Alekseyev,	
Pavlovich, E. S.	125	G. I.	169
Pavlovskiy, Ye. N.	152	Podol'skiy, A. S.	78
Pekhov, A. P.	156	Pokhsranyan, M. S.	183
Pelczynski, Z.	29	Pokrovskiy, G. I.	220
Penkin, N. P.	197	Pokrovskiy, V.	192
Penkovskiy, V. V.	198	Pokrovskiy, V. L.	119
Pepelanov, At.	19	Polasek, J.	21
Peregudov, F. I.	67	Polic, Vladimir	36
Perel'man, F. M.	100	Polikanov, S. M.	190
Perevalova, E. G.	91	Polivanov, K. M.	176
Pertsov, N. V.	176	Polivanov, M. K.	178, 199
Perveyev, F. Ya.	104	Polluz, A. A.	133
Pervin, Yu. A.	124	Polukarov, Yu. M.	87
Pescara, Raoul		Polukhin, F. S.	16
Pateras	131	Polyak, Yu. V.	128
Petkov, Iv.	18	Polyakov, M. V.	115
Petrenko, I. G.	93	Ponikowski, M.	28
Petrov, A. A.	103, 105	Ponomarev, V. D.	168
Petrov, A. D.	93	Ponomarev, Ye. A.	66
Petrov, D. A.	191	Ponomarev, V. D.	9
Petrov, D. F.	156	Popa, Vasile	31
Petrov, P. B.	118	Popov, A. I.	141
Petrov, Petur Yord	19	Popov, A. N.	129
Petrova, E. F.	202	Popov, G. A.	146
Petrova, O. N.	213	Popov, Stoyko	32
Pichakhchi, L. D.	189	Popova, A. M.	187
Pikayeva, V. L.	85	Poppenburg, O.	111
Pilipovich, V. A.	182	Portugalov, V. V.	160
Pimenova, L. D.	146	Poshkus, D. P.	88
Pinchuk, L.	16	Pospisil, Jan	106
Pines, B. Ya.	100	Postnikov, V. S.	167
Pinsker, M. S.	124	Pctapov, I. A.	7
Pisarski, Grzegorz	29	Povarova, K. B.	184
Pischinger, E.	115	Pozdnyakov, A. A.	182
Plachenov, B. T.	208	Pozdnyakov, A. L.	150
Platonov, G. F.	171	Pozdnyakov, P. G.	185
Platov, Avn. V.	13	Preobrazhenskiy, B. K.	183
Plebanskiy, G. I.	175	Presnyakov, A. A.	92
Plotnikova, T. P.	184	Prikhod'ko, P. M.	74
Poddubnaya-Arnol'di,		Prikhodtseva, V. F.	201
V. A.	71	Pritulin, P. I.	155
Podgorodetskiy, I. A.	1	Progrushchenko, A. V.	169
Podgornyi, I. M.	212	Prokofyeva-Bel'govskaya	
Podliasky, I.	216	A. A.	81
Podlyashuk, L. D.	154	Propst, A.	164
Podstrigach, Ya. S.	197	Proshlyakova, N. F.	95

Proskurnin, M. A.	84
Provotorov, B. N.	89
Pryakhina, L. I.	102
Pulver, W. L.	218
Pushkareva, E. V.	104
Pushnoi, B. M.	125
Puzei, I. M.	97, 193
Pyasetskaya, G. B.	12
Pylayeva, Ye. N.	101
Pyontkovskiy, I. Ka.	152

[Contd next page]

Rabinovich, I. B.	88	Roggenbuk, B.	144
Rabotnov, T. A.	77	Rogov, S. P.	94
Radchik, A. S.	188	Rogoskin, V. D.	149
Radchik, V. S.	188	Rogozin, I. I.	154
Radev, Simeon	19	Roi, N. A.	178
Radlinski, Antoni	29	Roitenberg, Ya. S.	127
Radmacher, W.	109, 110	Romanenko, I.	2
Radushkevich, L. V.	98	Romanov, M. I.	198
Raineau, A.	107	Romashov, A. N.	210
Rakin, V. G.	198	Romvary, Jozsef	164
Rakitin, Yu. V.	76, 77, 78	Ronov, A. B.	168
Rakobol'skaya, I.	179	Rosegger, S.	24
Rampan, Yu. I.	146	Rosenberg, M.	193
Raspopov, P. P.	157	Rost, Hans	25
Rasskazov, D. S.	193	Rostas, E.	130
Rassolenko, L. I.	149	Rostovtseva, I. A.	155
Rastvorova, A. M.	201	Rotman, G.	194
Ratner, E. I.	79	Rotshil'd, E. V.	75
Rausch, W.	111	Rott, N. N.	184
Rautenshteyn, Ya. I.	151	Rouiller, Charles	164
Ravich, M.	15	Roykh, I. L.	86
Ravich, M. I.	92	Roytburd, A. L.	195
Rayevskiy, S. Ya.	130	Rozenfel'd, I. L.	99
Razumeyev, P. A.	143	Rozenshtaukh, L. S.	155
Razumovskiy, N. O.	151	Rozhanskiy, V. N.	176, 198
Reber, Gerhard	24	Rozhkov, A. M.	106
Rebinder, P. A.	211	Rozman, I. M.	144
Reich, Hans-Joachim	24	Rozovskiy, M. I.	190
Reitlinger, E. A.	136	Rubinshteyn, R. N.	83
Rejewski, B.	29	Rubleva, K.	8
Rejinsky, S.	111	Ruckenstein, E.	219
Rembold, V.	172	Rudakov, L. I.	116
Remmer, H.	164	Rudnitskiy, A. A.	102
Reshetnikov, A. M.	182	Ruetschi, Werner	110
Reyfer, A. B.	6	Ruff, Lajos	61
Reytlinger, S. A.	87	Rumanova, I. M.	176, 208
Rezepov, F. F.	160	Rushev, D.	19
Reznik, M. G.	93	Ryabchikova, V. P.	143
Riegels, F.	217	Rybalka, N. D.	182, 199
Robov, St.	196	Ryzhkov, V. L.	153
Rochat, Jean	121	Rzhekhin, V. P.	95
Rodin, V. N.	124	Sal'kova, E. G.	78
Rodina, R. I.	149	Salomonovich, A. E.	180
Rodyonov, A. I.	92	Salti, C.	165
Rodyonov, V. N.	210	Samoilovich, A. G.	212
Rodyonova, N. A.	80	Samoylova, A. Ya.	167
Roger, A.	165	Samsonov, G. V.	4, 91, 207

Sanamyan, V.	67	Seuthe, A.	109
Santos, Aniceto Cruz	61	Severnnyy, A. B.	66, 200
Sapozhnikov, D. I.	75	Sforzolini,	
Sarrazin, Paul	162	Scassellati G.	165
Sass, C.	110	Shabalin, V. I.	206
Satarova, N. A.	79	Shabanova, L. N.	190
Saulnier, A.	217	Shakhtakhtinskiy, M. A.	90
Saurov, M. M.	145	Shapayev, V. M.	140
Savitskiy, A. V.	86	Shapiro, F. B.	150, 203
Savitskiy, E. M.	102, 184	Shapiro, N. I.	203, 207
Savitskiy, K. V.	185	Shaposhikova, Ye. F.	66
Savitskiy, P. S.	144	Snapshinskaya, O. M.	96
Savitskiy, Ye. M.	102, 103	Sharapov, I. P.	141
Savvinykh, S.	192	Sharov, M. V.	170
Savvinykh, S. K.	119	Sharshatkina, A. V.	176
Sayenko-Lyubarskaya,		Shats, M. M.	209
V. F.	166	Shavrov, L. A.	78
Sazhin, V. S.	168	Shcheglov, V. P.	136
Sbitneva, M. F.	152	Shcheglova, N. A.	195
Schmidt, A.	218	Shcherbakov, V. K.	80
Schmidt, W.	24	Shcherbakova, L. G.	92
Schraub, A.	164	Shchukin, E. D.	176, 180
Schuhknecht, W.	109	Shchuruvna, V.	175
Schwaner, K.	112	Sheindlin, A. E.	193
Secomski, Kazimierz	26	Sheinmann, Yu. M.	140
Sedivy, Bohuslav	23	Shen, Hsing	47
Sedlis, V. I.	105	Sherstyuk, V. N.	129
Sedov, L. I.	174	Shevelev, A. K.	210
Sedyakin, N. M.	127	Shidlovskaya, I. L.	78
Segal', M. S.	143	Shigin, E. K.	127
Seghezzi, Hans-Dieter	112	Shigorin, D. N.	195
Seidel, F.	65	Shih, Hsueh-wen	57
Selitskaya, V. I.	141	Shih, Ying	41
Semenov, A. P.	167	Shikin, I. S.	202
Semenov, E. V.	208	Shil'krut, D. I.	203
Semenov, S. S.	214	Shilov, A. E.	91
Semenova, L. P.	146	Shilov, M. N.	82
Semenova, V. A.	146	Shinyayev, A. Ya.	101
Semiglazova, Ye. D.	154	Shipkovenskiy, N. S.	160
Senin, I.	5	Shirkov, D. V.	202
Sen'kin, E. P.	179	Snishmarev, O. A.	181
Serdyukova, A. S.	139	Shishkin, N. S.	139
Seregin, A. V.	134	Shkliar, T. N.	81
Sergel', O. S.	155	Shlygin, G. K.	156
Sergeyev, L. I.	73	Shmyglevskiy, Yu. D.	206
Sergeyev, V. A.	158	Shorr, B. F.	211
Sergeyeva, K. A.	73	Shorygin, P. P.	196
Serov, M. F.	155	Shpugunov, F. A.	159

Shtan, A. S.	174
Shtern, E. N.	116
Shtukkenberg, Yu. M.	144
Shubenko-Shubin, I. A.	8
Shugal, Ya. L.	3
Shuleykin, V. V.	188
Shul'sin, I. A.	79
Shumkin, B. N.	154
Shun, Yun-t'ang	56
Shvartsman, L. S.	202
Shvedskaya, Z. M.	77
Sidorenko-Zelezinskaya G. M.	153
Sidorov, A. F.	212
Sidorov, V. M.	199
Siforov, V. I.	118
Silina, G. F.	171
Sinevid, S. G.	205
Sinit syn, V. I.	174
Sinit syn, V. V.	97
Sitintskiy, Yu. I.	117
Sitnik, G. F.	175
Sitnikov, K. A.	202
Sivers, A. P.	118
Sjogren, Henrik	166
Skakov, Yu. A.	176
Skanavi, G. I.	215
Skibin, V. I.	7
Skobelkin, V. I.	90
Skop, S. L.	94
Skorkin, L. V.	106
Skorobagat'ko, A. A.	187
Skripchinskiy, V. V.	71
Skripov, F. I.	202
Skryabin, A. K.	98
Skryabin, G. K.	77
Skryabin, K. S.	16
Skrzypek, Docent T.	28
Skyshevskiy, A. F.	115
Slavvo, A. V.	71, 77
Slavyanskiy, V. T.	83
Slezak, Josef Otto	25
Slobodskaya, P. V.	195
Slovikovski, V. I.	74
Smakota, N. F.	105
Smirnov, G.	7
Smirnov, L. P.	3
Smirnov, M. V.	86

Smirnova, A. I.	154
Smirnova, N. K.	89
Smolov, V. B.	123, 126
Smol'yannikov, A. V.	158
Snyk, Boleslaw	82
Snetkov, A. Ya.	102
Snezhnova, L. P.	146
Sobolev, N. N.	199
Sobolev, V. D.	214
Sobolev, V. V.	190, 202
Sobotovich, E. V.	209
Sogolova, T. I.	90
Sokolov, N. D.	215
Sokolov, V. I.	210
Sokolov, Yu. N.	155
Sokolovskiy, V. V.	154
Sokolov-Sokolenok, L.	64
Sokol'skaya, A. V.	210
Solov'yev, A. D.	136
Solov'yev, V. G.	210
Solov'yeva, N. A.	78
Solov'yeva, N. K.	146
Sorokin, N. I.	4
Sosnova, A. K.	66, 67
Sotskov, A. D.	214
Sourek, Stanislav	20
Spivak, G. V.	203
Sretenskiy, L. N.	188
Stajner, Egon	20
Stanislavskiy, L. Ya.	116
Stanyukovich, K. P.	68, 174
	184, 186
	191
Starik, I. E.	209
Starikova, M. V.	126
Stechkin	64
Stepanov, B. I.	199
Stich, H.	163
Stoletov, V. N.	81
Stolyarova, G. S.	203
Strakhov, S. V.	189
Straumanis, M. E.	217
Strel'nykova, N. S.	91
Strobel, F.	65
Stumpr, K. E.	109
Styran, Z. E.	196
Styrikovich, M.	6
Subbotina, G. V.	123

Sudarikov, B. N.	95	Tavkhelidze, A. N.	186, 193
Suder, Mihail	30	Teng, Chih	38
Suglobov, D. N.	87	Teng, Fang	47
Sukharev, G. M.	134	Teplitskaya, R. B.	66
Sukhobskaya, G. S.	157	Terekhov, V. F.	102
Sukhotin, A. P.	210	Ter-Krikorov, A. M.	187, 188
Sukhovarov, V. F.	204	Terminasov, Yu. S.	170
Sulimov, A. D.	94	Ternovskaya, A. N.	98
Sultanov, A. F.	36	Thieme	23
Sumarokova, T. N.	99	Ti, Kao-feng	37
Sun, Lan-feng	57	Tietze, W.	110
Sung, Chuiing	54	Tikhomirov, V. I.	171
Suntsov, N. N.	64	Tikhonov, L. V.	205
Suslov, N. A.	118	Timashov, N. D.	74
Susuki, S.	114	Timofeyev, B. L.	124
Suvorova, A. I.	88	Timofeyev, V. T.	140
Sveklo, V. A.	189	Timofeyev-Resovskiy, N. V.	69
Sveshnikov, B. Ya	182	Tincone, Vittorio	61
Sveshnikova, I. N.	71	Tinyakov, G. G.	205, 207
Svetlakov, M. I.	158	Tirskiy, G. A.	183
Svetlolobov, I. A.	206	Titov, M.	14
Svetovidov, A. N.	16	Tkachenko, S. N.	215
Sviridov, Yu. B.	122	Tkacheva, T. V.	149
Svirskiy, M. S.	190	Todo, N.	114
Svoboda, Karel	23	Tokarskaya, Z. B.	151
Sychev, A. P.	171	Tolmachev, V. V.	191
Synkov, V. G.	122	Tolokonnikov, L. A.	188
Syrkin, A. B.	146	Tolpygo, K. B.	191
Syrkin, Ya. K.	86	Tol'skaya, V. A.	135
Syrovatskiy, S. I.	206	Tomaszewski, J.	115
Sytina, N. P.	179	Tomilovskiy, G. E.	211
Tada, H.	113	Topchyashvili, L. I.	102
Tafelmeier, Hugo	132	Torchinskaya, V. M.	76
Tager, A. A.	88	Toropova, G. P.	150
Tagunova, T. V.	103, 206	Tosuchiya, R.	113
Tai, Fang	47	Tovarnitskiy, V. I.	98
Takahashi, S.	113, 114	Tran, Dung Tien	45
Talantsev, A. D.	118	Tran, Viet	45
Tal'roze, V. L.	214	Trapeznikov, A. A.	86, 89
Tamonov, F.	12	Trautvetter, Robert	24
T'an, Cheng-wen	48	Trebici, V.	33
T'an, Ch'i-lung	42	Tret'yakov, P. N.	91
Tarakanova, G. A.	77	Troitskaya, S. A.	147
Tarassenkov, A.	13	Trokhin, A. A.	94
Tartakovskiy, G. P.	128	Trubnikov, B. A.	180
Tatarowski, Jan	28	Trupucko, P.	31
Tatarskiy, V. B.	167	Trushin, Ye.	14
Taubman, A. B.	86		

Tsai, Chang	56	Vainboim, D. I.	128
Tsan, Wei-lien	55	Vakulenko, A. A.	178
Tsang, Shun-liang	51	Vallander, S. V.	209
Ts'ao, Peo-ming	50	Vanyukov, M. P.	213
Tsarev, B. M.	96	Varfolomeyev, A. A.	206
Tsarevski, N.	19	Varich, N. I.	170
Tsellner, V.	212	Varshaver, B. A.	127
Tseng, Hsi-sheng	38	Varshavskiy, S. N.	82
Tseng, Kuan-hui	42	Vartanyan, S. A.	83
Tsepkov, L. P.	197	Vashakidze, M. A.	66
Tserkovnikov, Yu. A.	194, 207	Vasil'eva, A. S.	104
Tsetlin, M. L.	123	Vasilyev, G. A.	215
Tsilipotkina, M. V.	88	Vasil'yev, I. M.	182, 199
Tsinner, K. G.	144	Vasil'yev, L. I.	177
Ts'in Su-yun	182	Vasilyev, R. R.	123
Ts'ing Su-yun	199	Vasil'yev, S. S.	187
Tsinger, N. V.	71	Vasin, I. G.	185
Tso, Min	46	Vavako, Dmitr	155
Ts'ui, Ch'eng-hsuan	49	Vavilov, N. S.	201
Tsvankin, D. Ya.	50	Vaynshteyn, B. K.	192
Tsyarkin, Ya. Z.	125	Vdovin, Yu. A.	87
Tukish, E.	179	Vecher, A. A.	90
Tulinov, V. F.	206	Vechera, M.	111
Tumanyan, V. A.	203	Vedenov, A. A.	116
Tung, Wen-pin	56	Veit, P.	108
Tung, Yu-hang	51	Vekilov, F. M.	147
Turbin, N. V.	156	Vekilov, Grozdan	32
Turchaninov, I. A.	96	Veksler, V.	173
Turiyska, Gana N.	32	Veksler, Ya. I.	152
Tyablikov, S. V.	197	Velikovich, L. N.	11
Tyapkin, Yu. D.	207	Vernov, S. N.	206
Tyazhelov, V. U.	120	Vertsner, V. N.	176
Tylkina, M. A.	102, 103	Veselov, I. Ya.	151
	184	Veynberg, V. B.	200
Tyutikov, A. M.	176	Vicena, F.	216
Uchida, H.	114	Vidinski, Radenko	19
Udal'tsov, V. A.	180	Viktorov, I. A.	184
Urlyand, Ya. S.	212	Vinogradov, A. P.	168
Ugay, Ya. A.	101	Vinogradov, G. V.	93
Ukolov, A. A.	80	Vinogradov, K. F.	7
Ulezlo, I. V.	77	Vissonova, I. A.	118
Ulinich, F.	192	Vitkevich, V. V.	180
Ulinich, F. R.	119	Vitkin, A. I.	184
Urbain, G.	130	Vitkovskiy, V. L.	72, 73
Usmanskii, L. I.	157	Vladziyevskiy, A.	6
Uspenskiy, D. D.	174	Vlasak, F.	22
Utevskiy, L. M.	183	Vlasov, Yu. G.	85
Vagin, Ye. V.	84	Vlasyuk, P. A.	182

Vohob'ev, V. I.	148
Voitsekhovskaya, K. F.	187, 210
Volchok, L. Yu.	122
Vol'nikovich, S. I.	95, 96
Vol'kenshtein, F. F.	97
Volker, Albert	132
Volkov, I. I.	138
Vol'mir, A. S.	211
Volodina, G. F.	208
Volokobinskiy, Yu. M.	191
Voluyskaya, Ye. N.	98
Von Herz, Edmund	
Ritter, Sr.	132
Von Herz, Edmund	
Ritter, Jr.	132
Von Muschter, Walter	43
Vonsovskiy, S. V.	190
Vorob'yev, A. A.	143
Vorob'yev, O. S.	206
Vorob'yev, Ye. I.	145
Vorontsov, P. A.	141
Vorovich, I. I.	202, 203
Voskresenskiy, V. A.	105
Vozdvizhenskiy, G. S.	85
Vrba, Jeno	26
Vseticka, Jindrich	21
Vyshedskiy, M.	64
V'yukhina, A. S.	1
Wadolowski, Klemens	26
Wang, Cheng-lun	42
Wang, Fei	47
Wang, Hai-shan	41
Wang, I-hsin	37
Wang, P'eng-ch'eng	51
Wang, Shu-wen	49
Wang, Tze-yeh	47
Wartenberg, H.	111
Weiss, Christoph	36
Weitzmann, Hauptmann	108
Wellinger, K.	172
Wendlinger, R. A.	121
Wenzel, Friedrich	25
Wesolowski, J.	29
Wienecke, R.	219
Wilkening, Frederick	
William	65
Willard, J. J.	161
Winker, K. H.	65

Winkler, G.	24
Winterkamp, H.	172
Wojciechowska, W.	115
Wolff	23
Wu, Chan-tung	53
Wu, Chuang	54
Wu, Chung-lun	39
Wu, Liang-p'ing	37
Wu, Ta-p'ing	52
Wysokinski, Adam	27
Yablonskiy, E. A.	70
Yaganov, G.	127
Yagn, Yu. I.	181
Yakhontov, A. D.	83
Yakobson, Ya.	116
Yakovenko, V. L.	200
Yakovkin, N. A.	68
Yakovleva, V. V.	76
Yakushkina, S. E.	91
Yanenko, N. N.	212
Yang, Chao-ching	55
Yang, Chih-lin	52
Yanshin, A. A.	126
Yaramyshev, I.	14
Yarmonenko, S. P.	150
Yaroshevskiy, M. G.	157
Yaroslavskiy, M. I.	185
Yarovenko, N. N.	104
Yastshenbskaya, Ya	85
Yasuraoka, K.	165
Yavich, L. R.	128
Yavnel', A. A.	209
Yebedinskiy, V.	159
Yefimov, A.	5
Yeger, G.	144
Yeh, Ch'ing	48
Yeh, Hui	55
Yelpat'yevskaya, G. N.	151
Yen-Su	52
Yeremenko, V. N.	103
Yermakov, V. V.	140
Yerusalinskiy, N. D.	81
Yerzhkanyan, G. A.	67
Yevins, A.	217
Yevseyev, A. A.	3
Yoffe, S. T.	97
Yorfe, V. A.	179
Yorin, S.	2

Yu, Kang-tung	40	Zhukhovitskiy, A. A.	83, 84
Yu, Kuang-yuan	49		214
Yu, Ts'ang	55	Zhukov, A. I.	122
Yuan, Jo-ying	46	Zhukovski, P. M.	80
Yuan, Shen	47	Zhukov-Verezhnikov,	
Yudinsteva, E. V.	79	N. N.	156
Yu-hang	48	Zhuravlev, N. N.	102
Yukhtanova, V. D.	86	Zil'berman, P. E.	187
Yuryev, A. A.	12	Zimin, N. I.	4
Yurzenko, A. I.	87	Zingerman, Ya. P.	115
Zabolejev-Zotov, V. V.	169	Zinov'yeva, E. G.	177, 178
Zagrebennikova, M. P.	185		196, 201
Zagrebini, D. V.	97, 136	Zollinger, H.	108
Zahradnik, Josef	20	Zolotavin, A. V.	188
Zaitse, A. M.	171, 215	Zubarev, D. N.	180, 194
Zaitse, G. P.	168		207
Zakharchenko, P. I.	4	Zubchik, V. D.	5
Zakharov, A. M.	168	Zubkov, V. I.	211
Zakharov, M. V.	169	Zurabashvili, A. D.	160
Zakharov, S. V.	150	Zvolinskiy, N.	8
Zaks, S. L.	139	Zvyagintsev, O. E.	99
Zalesskiy, A. M.	116	Zwang, L. R.	139
Zamotaylov, S. S.	71, 79		
Zaplavnyy, A.	5		
Zaporozhets, A. V.	157		
Zappoli, Roberto	165		
Zarifants, Yu. A.	86		
Zatsepin, V.	179		
Zauscher, H.	121		
Zaygorodniy, S. V.	104		
Zavoyanskiy, E. K.	200		
Zaytsev, A. A.	185		
Zaytse, M.	5		
Zbarskiy, I. B.	80		
Zel'dovich, Ya. B.	178		
Zelikman, A. N.	99		
Zelinka, E.	21		
Zetzmann, H. J.	121		
Zhabotinskiy, M. E.	187		
Zharkov, V. A.	203		
Zhdanov, G. S.	102		
Zhdanov, S. P.	85		
Zheltoy, U. P.	126		
Zheludev, I. S.	203		
Zhevakin, S. A.	187, 206		
Zhirmonskiy, A. V.	148		
Zholkevich, V. N.	78		
Zhornik, D. T.	12		

* * *

UNCLASSIFIED
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, reading "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

UNCLASSIFIED



Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0866011	78-03109A	63	1	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD0866891	78-03109A	64	1	1	146	Consolidated Translation Survey Through 28 February 1970	2/28/1970	237	Approved For Release	3/25/2004
AD0868214	78-03109A	64	1	2	147	Consolidated Translation Survey Through 31 March 1970	3/31/1970	222	Approved For Release	3/25/2004
AD0869588	78-03109A	64	1	3	148	Consolidated Translation Survey Through 30 April 1970	4/30/1970	225	Approved For Release	3/25/2004
AD0871388	78-03109A	64	1	4	149	Consolidated Translation Survey Through 31 May 1970	5/31/1970	286	Approved For Release	3/25/2004
AD0872361	78-03109A	64	1	5	150	Consolidated Translation Survey Through 30 June 1970	6/30/1970	339	Approved For Release	3/25/2004
AD0873815	78-03109A	64	1	6	151	Consolidated Translation Survey Through 31 July 1970	7/31/1970	274	Approved For Release	3/25/2004
AD0834385	78-03109A	47	1	4	17	Consolidated Translation Survey For May 1959	6/17/1959	193	Approved For Release	3/25/2004
AD0834386	78-03109A	47	1	5	18	Consolidated Translation Survey For June 1959	7/17/1959	177	Approved For Release	3/25/2004
AD0834387	78-03109A	47	1	6	19	Consolidated Translation Survey For July 1959	8/24/1959	254	Approved For Release	3/25/2004
AD0834388	78-03109A	47	1	7	20	Consolidated Translation Survey For August 1959	9/18/1959	209	Approved For Release	3/25/2004
AD0834389	78-03109A	47	1	8	21	Consolidated Translation Survey For September 1959	10/20/1959	261	Approved For Release	3/25/2004
AD0834491	78-03109A	47	1	9	22	Consolidated Translation Survey For October 1959	11/16/1959	181	Approved For Release	3/25/2004
AD0834492	78-03109A	47	1	10	23	Consolidated Translation Survey For November 1959	12/22/1959	214	Approved For Release	3/25/2004
AD0834493	78-03109A	47	1	11	24	Consolidated Translation Survey For December 1959	1/20/1960	202	Approved For Release	3/25/2004
AD0834494	78-03109A	47	1	12	25	Consolidated Translation Survey For January 1960	2/25/1960	198	Approved For Release	3/25/2004
AD0834495	78-03109A	47	1	13	26	Consolidated Translation Survey For February 1960	2/1/1960	248	Approved For Release	3/25/2004
AD0834496	78-03109A	48	1	1	27	Consolidated Translation Survey For March 1960	3/1/1960	223	Approved For Release	3/25/2004
AD0834497	78-03109A	48	1	2	28	Consolidated Translation Survey For April 1960	4/1/1960	287	Approved For Release	3/25/2004
AD0834498	78-03109A	48	1	3	29	Consolidated Translation Survey For May 1960	5/1/1960	312	Approved For Release	3/25/2004
AD0834499	78-03109A	48	1	4	30	Consolidated Translation Survey For June 1960	6/1/1960	277	Approved For Release	3/25/2004
AD0834500	78-03109A	48	1	5	31	Consolidated Translation Survey For July 1960	7/1/1960	186	Approved For Release	3/25/2004
AD0834501	78-03109A	48	1	6	32	Consolidated Translation Survey For August 1960	8/1/1960	317	Approved For Release	3/25/2004
AD0834502	78-03109A	48	1	7	33	Consolidated Translation Survey For September 1960	9/1/1960	287	Approved For Release	3/25/2004
AD0834503	78-03109A	48	1	8	34	Consolidated Translation Survey For October 1960	10/1/1960	322	Approved For Release	3/25/2004
AD0834504	78-03109A	48	1	9	35	Consolidated Translation Survey For November 1960	11/1/1960	289	Approved For Release	3/25/2004